Plasma TV
user manual

imagine the possibilities

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Model _____   Serial No. _____

SAMSUNG

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Country	Customer Care Centre ☎	Web Site
AUSTRALIA	1300 362 603	www.samsung.com/au
CHINA	800-810-5858 400-810-5858 010-6475 1880	www.samsung.com/cn
HONG KONG	3698-4698	www.samsung.com/hk
INDIA	3030 8282 1800 110011 1-800-3000-8282	www.samsung.com/in
INDONESIA	0800-112-8888	www.samsung.com/id
JAPAN	0120-327-527	www.samsung.com/jp
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PHILIPPINES	1800-10-SAMSUNG(726-7864)	www.samsung.com/ph
SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com/sg
SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com/za
TAIWAN	0800-329-999	www.samsung.com/tw
THAILAND	1800-29-3232 02-689-3232	www.samsung.com/th
TURKEY	444 77 11	www.samsung.com/tr
U.A.E	800-SAMSUNG (726-7864) 8000-4726	www.samsung.com/ae
VIETNAM	1 800 588 889	www.samsung.com/vn

User Instructions

◆ **Screen Image retention**
Do not display a still image (such as on a video game or when hooking up a PC to this PDP) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as "screen burn". To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

◆ **Height**
The PDP can normally operate only under 2000m in height. It might abnormally function at a place over 2000m in height so do not install and operate there.

◆ **Heat on the top of the PDP TV**
The top side of the product may be hot after long period of use as heat dissipates from the panel through the vent hole in the upper part of the product. This is normal and does not indicate any defect or operation failure of the product. However, children should be prevented from touching the upper part of the product.

◆ **The product is making a 'cracking' noise.**
A 'cracking' noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

◆ **Cell Defects**
The PDP uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

◆ **Avoid operating the TV at temperatures below 5°C(41°F)**

◆ **A still image displayed too long may cause permanent damage to the PDP Panel.**

Watching the PDP TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and centre of the screen caused by the difference of light emission on the screen. Playing a DVD or a game console may cause similar effect to the screen. Damages caused by the above effect are not covered by the Warranty.

◆ **Afterimage on the Screen.**
Displaying still images from Video games and PC for longer than a certain period of time may produce partial afterimages. To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

◆ **Warranty**
- Warranty does not cover any damage caused by image retention.
- Burn-in is not covered by the warranty.

◆ **Installation**
Be sure to contact an authorized service centre, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substance and where it operates continually such as the airport, the train station etc. Failure to do so may cause a serious damage to your set.

Any functions related to Digital TV (DVB) will only work in countries or areas where DVB-T (MPEG2) digital terrestrial signals are broadcasted. Please confirm with your local dealer if you can receive DVB-T signals. Although this TV set follows the DVB-T specification, maintaining compatibility with the future coming DVB-T digital terrestrial broadcasts is not guaranteed. Several functions may not be available in some countries.

Contents

Symbols

▲

Press

☞

Important

➢

Note

Checking Parts

Owner's Instructions	Remote Control/ AAA Batteries	Power Cord	Cloth-Clean	Warranty Card/ Safety Guide Manual (Not available in all locations.)
Cover-Bottom / Screws (2ea) (Refer to page 79)	Ferrite Core for Power Cord	Ferrite Core for S-Video	Ferrite Core for Component	

Sold Separately

Antenna Cable	Component Cables	Audio Cables	PC Cable
Scart Cable	PC Audio Cable	HDMI Cable	HDMI/DVI Cable

➢ **Ferrite Core (Power Cord, S-Video, Component)**
The ferrite cores are used to shield the cables from interference.
When connecting a cable, open the ferrite core and clip it around the cable near the plug.
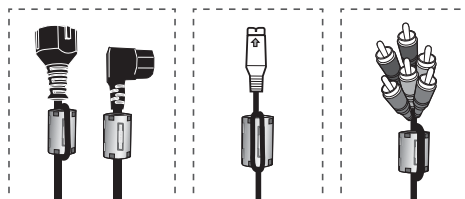
Using the Stand-Base

➢ ◆ Two or more people should carry the PDP. Never lay the PDP on the floor because of possible damage to the screen. Always keep the PDP upright.

◆ The PDP can rotate 20 degrees in right and left directions.

-20° ~ 20°
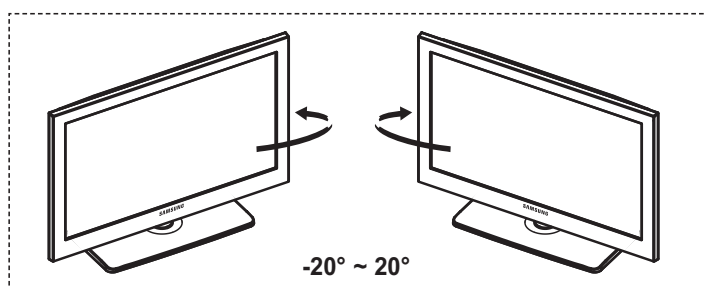
Control Panel

Front Panel
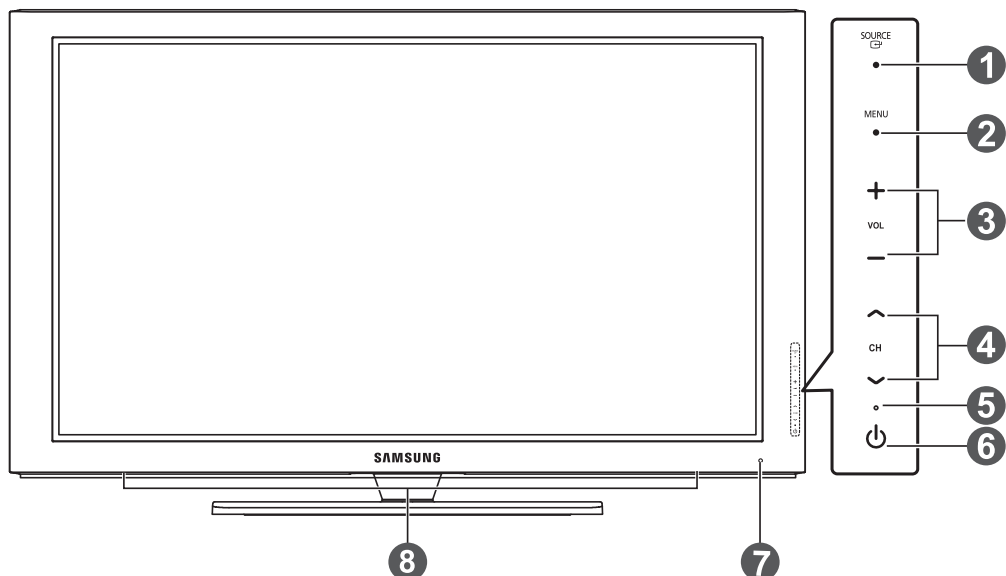
Front Panel buttons
Touch each button to operate.

➢ The product colour and shape may vary depending on the model.

❶ **SOURCE** ⊡
Displays a menu of all of the available input sources (TV, AV1, AV2, S-Video, Component 1, Component 2, PC, HDMI1, HDMI2/DVI, HDMI3, USB).
➢ In the on-screen menu, use this button as you would use the **ENTER** button on the remote control.

❷ **MENU**
Press to see an on-screen menu of your TV's features.

❸ **+ VOL -**
Press to increase or decrease the volume. In the on-screen menu, use the **+ VOL -** buttons as you would use the ◄ and ► buttons on the remote control.

❹ ⋀ **CH** ⋁
Press to change channels.
In the on-screen menu, use the ⋀ **CH** ⋁ buttons as you would use the ▲ and ▼ buttons on the remote control.

❺ **POWER INDICATOR**
Blinks and turns off when the power is on and lights up in stand-by mode.

❻ ⏻ **POWER**
Press to turn the TV on and off.

❼ **REMOTE CONTROL SENSOR**
Aim the remote control towards this spot on the TV.

❽ **SPEAKERS**

Connection Panel

Rear Panel
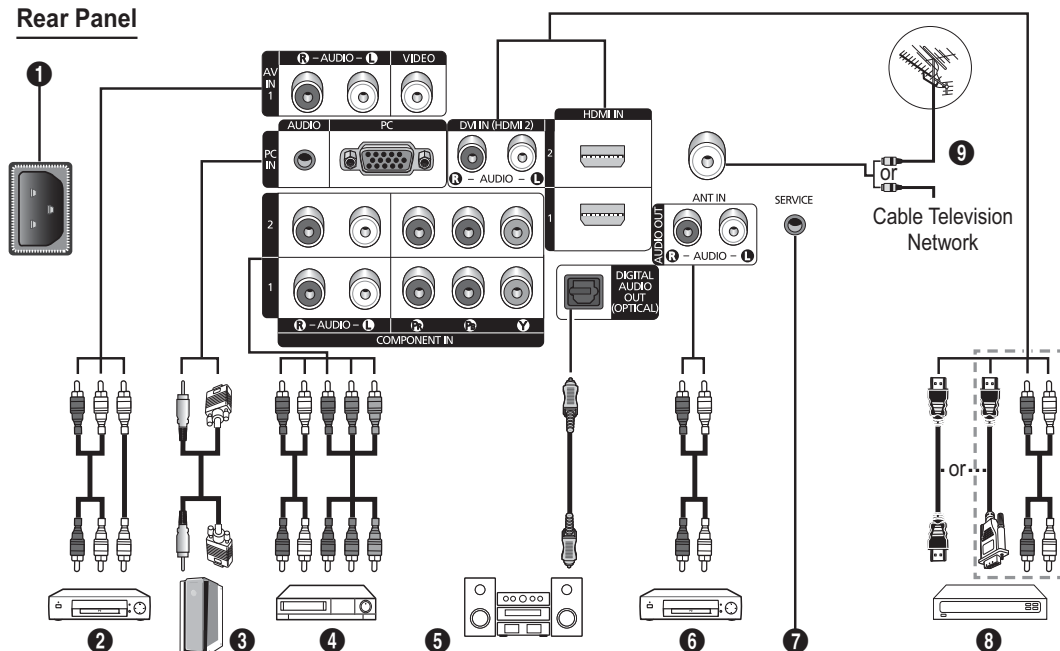
> The product colour and shape may vary depending on the model.

☞ ◆ Whenever you connect an audio or video system to your set, ensure that all elements are switched off.

◆ When connecting an external device, match the colour of the connection terminal to the cable.

❶ POWER IN
Connect the supplied power cord.

❷ AV IN 1(VIDEO / AUDIO R/L)
Connect RCA cable to an appropriate external A/V device such as VCR, DVD or Camcorder.

❸ PC IN(PC) / AUDIO
Connect to the video and audio output jack on your PC.

❹ COMPONENT IN 1, COMPONENT IN 2
Audio (AUDIO L/R) and video (Y, Pb, Pr) inputs for Component.

❺ DIGITAL AUDIO OUT (OPTICAL)
Connect to a Digital Audio Component.

❻ AUDIO OUT(AUDIO R/L)
Connect RCA audio signals from the TV to an external source, such as Audio equipment.

❼ SERVICE
- Connector for service.
- Connect the serial jack between the electro-motion wall mount bracket and your TV when you want to adjust the TV viewing angle using your remote control.

❽ HDMI IN 1,2
- No additional Audio connection is needed for an HDMI to HDMI connection.
- When using an HDMI/DVI cable connection, you must use the HDMI IN 2 jack.
  ➢ What is HDMI?
    - "High Definition Multimedia interface" allows the transmission of high definition digital video data and multiple channels of digital audio.
    - The HDMI/DVI terminal supports DVI connection to an extended device with the appropriate cable (not supplied). The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed, and supports multi - channel digital audio.

DVI IN(HDMI2) AUDIO L/R
DVI audio outputs for external devices.

❾ ANT IN
75Ω Coaxial connector for Aerial/Cable Network.

Supported modes for HDMI/DVI and Component

	480i	480p	576i	576p	720p	1080i	1080p
HDMI/DVI 50Hz	X	X	X	O	O	O	O
HDMI/DVI 60Hz	X	O	X	X	O	O	O
Component	O	O	O	O	O	O	O

Side Panel

➢ The product colour and shape may vary depending on the model.

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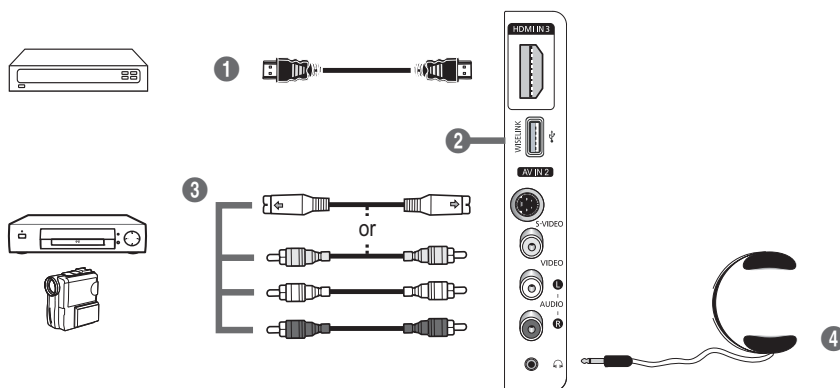
❶ HDMI IN 3
Connect to the HDMI jack of a device with HDMI output.

❷ WISELINK
Connect a USB mass storage device to view photo files (JPEG) and play audio files (MP3).

❸ S-VIDEO or VIDEO / AUDIO L/R
Video (S-Video or Video) and audio inputs for external devices, such as a camcorder or VCR.

❹ HEADPHONES JACK
You can connect a set of headphones if you wish to watch a television programme without disturbing the other people in the room.

➢ Prolonged use of headphones at a high volume may damage your hearing.

Viewing the Remote Control

The performance of the remote control may be affected by bright light.

❶ POWER button
  (turns the TV on and off)

❷ Selects the TV mode directly

❸ Number buttons for direct channel access

❹ One or more digit channel selection

❺ Temporary sound switch-off

❻ ⊕ Volume increase
  ⊖ Volume decrease

❼ Electronic Program Guide (EPG) display

❽ Use to quickly select frequently used functions.

❾ Control the cursor in the menu

❿ Use to see information on the current broadcast

⓫ Use these buttons in the Channel list and WISELINK, etc.

⓭ Press to select the optional display and sound modes for sports, cinema and games.

⓮ VCR/DVD Function (Rewind, Stop, Play/Pause, Fast/Forward)

⓯ Available source selection

⓰ Previous channel

⓱ ⌃ Next channel
  ⌄ Previous channel

⓲ Displays the main on-screen menu

⓳ This function enables you to view and play photo (JPEG) and audio files (MP3) from an external device. (See page 48 (JPEG), 60 (MP3))

⓴ Returns to the previous menu

㉑ Exit the on-screen menu

㉒ Picture size selection

㉓ Use this when connecting a SAMSUNG DMA (Digital Media Adapter) device through an HDMI interface and switching to DMA mode. (The DMA button is optional.)
  For more information on the operating procedures, refer to the user manual of the DMA. This button is available when "Anynet+(HDMI-CEC)" is "On" (see page 72)

㉔ Digital subtitle display

㉕ Channel control button (Refer to page 17)

Teletext Functions

(Refer to page 75)

❷ Exit from the teletext display (depending on the model)

❼ Teletext store

❽ Teletext size

❿ Teletext reveal

⓫ Fastext topic selection

⓬ Teletext display/mix both teletext information and the normal broadcast

⓯ Teletext mode selection (LIST/FLOF)

⓰ Teletext sub page

⓱ P ⌃: Teletext next page
  P ⌄: Teletext previous page

⓲ Teletext index

⓴ Teletext hold

㉑ Teletext cancel
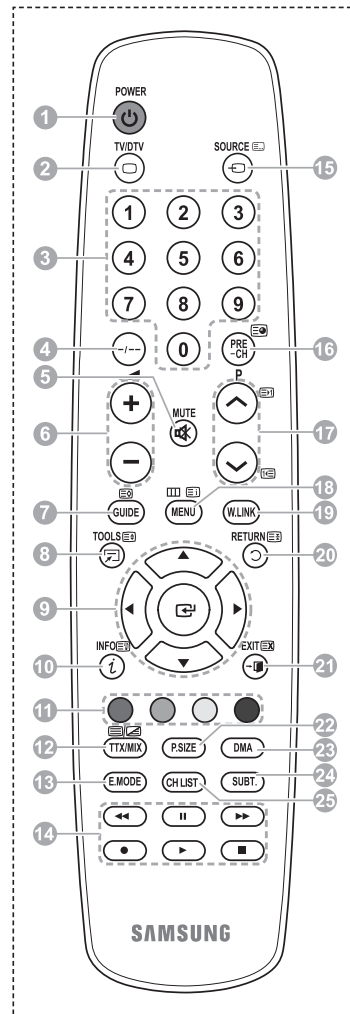
Continued...

Installing Batteries in the Remote Control

1 Lift the cover at the back of the remote control upward as shown in the figure.

2 Install two AAA size batteries.
  ➢ ◆ Make sure to match the "**+**" and "**–**" ends of the batteries with the diagram inside the compartment.
      ◆ Do not mix battery types, i.e. alkaline and manganese.

3 Close the cover as shown in the figure.
  ➢ Remove the batteries and store them in a cool and dry place if you won't be using the remote control for a long time. The remote control can be used up to about 23 feet from the TV. (Assuming typical TV usage, the batteries last for about one year.)

➢ If the remote control doesn't work! Check the following:
  1. Is the TV power on?
  2. Are the plus and minus ends of the batteries reversed?
  3. Are the batteries drained?
  4. Is there a power cut, or is the power cord unplugged?
  5. Is there a special fluorescent light or a neon sign nearby?
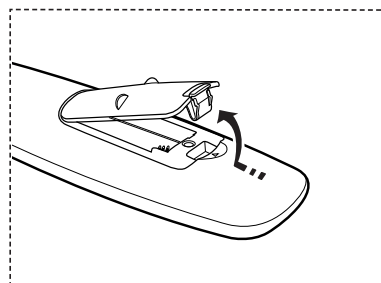
Switching Your Television On and Off

The mains lead is attached to the rear of the television.

1 Plug the mains lead into an appropriate socket.
  ➢ The main voltage is indicated on the rear of the television and the frequency is 50 or 60Hz.

2 Press the ⏻ (Power) button (On/Off) on the front of the television or press the **POWER** button on the remote control to switch the television on. The channel that you were watching last is re-selected automatically. If you have not yet stored any channels, no clear picture appears. Refer to "Storing Channels Automatically" on page 14 or "Storing Channels Manually" on page 15.
  ➢ If the television is initially powered on, several basic customer settings proceed automatically. Refer to "Plug & Play Feature" on page 10.

3 To switch the television off, press the ⏻ (Power) button (On/Off) on the front of the television or press the **POWER** button on the remote control.

4 To switch the TV on, press the ⏻ (Power) button (On/Off) on the front of the TV or press the **POWER** button or number buttons on the remote control.

Viewing the Menus

1 Press the **MENU** button.
  The main menu is displayed on the screen.
  Its left side has six icons: **Picture, Sound, Channel, Setup, Input,** and **Application**

2 Press the ▲ or ▼ button to select one of the icons.
  Press the **ENTER** button to access the icon's sub-menu.

3 Press the ▲ or ▼ button to move to items in the menu.
  Press the **ENTER** button to enter items in the menu.

4 Press the ▲/▼/◄/► button to change the selected items.
  Press the **RETURN** button to return to the previous menu.

5 Press the **EXIT** button to exit from the menu.

Picture		
	Mode	: Standard
	Cell Light	: 7
	Contrast	: 95
	Brightness	: 45
	Sharpness	: 20
	Colour	: 50
	Tint (G/R)	: G50/R50
	Detailed Settings	

GUIDE   MENU   W.LINK

TOOLS   ▲   RETURN
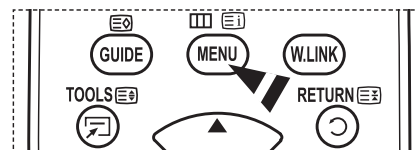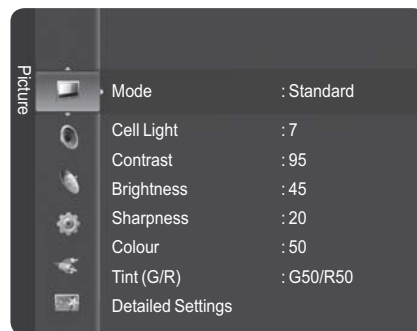
Plug & Play Feature

When the television is initially powered on, several basic customer settings proceed automatically and subsequently. The following settings are available.

☛ If you accidentally select the wrong country for your TV, the characters on the screen may be wrongly displayed.

☛ Any functions related to Digital TV (DVB) will only work in countries or areas where DVB-T (MPEG2) digital terrestrial signals are broadcasted. Please confirm with your local dealer if you can receive DVB-T signals. Although this TV set follows the DVB-T specification, maintaining compatibility with the future coming DVB-T digital terrestrial broadcasts is not guaranteed. Several functions may not be available in some countries.

➢ The Screen Saver is activated if there is no remote control key input for longer than 1 minute while **Plug & Play** is running.

1 If the television is in standby mode, press the **POWER** button on the remote control. The message **The menu Language, Store Demo, Channels and Time will be set.** is displayed.

Plug & Play
The menu Language, Store Demo, Channels and Time will be set.
OK
⏎ Entrer
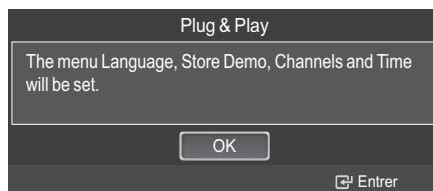
2 Press the **ENTER** button to confirm your choice. The message **Select 'Home Use' when installing this TV in your home.** is displayed.

Plug & Play
Select 'Home Use' when installing this TV in your home.
Store Demo   Home Use
◄► Move   ⏎ Enter
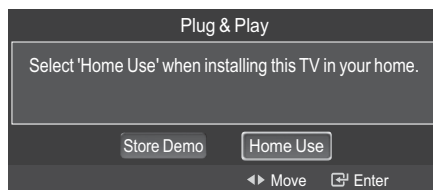
3 Press the ◄ or ► button to select **Store Demo** or **Home Use**, then press the **ENTER** button. The message to check the connected status of the antenna is displayed.
➢ The default selection is **Home Use**.
➢ We recommend setting the TV to **Home Use** mode for the best picture in your home environment.
➢ **Store Demo** mode is only intended for use in retail environments.
➢ If the unit is accidentally set to **Store Demo** mode and you want to return to **Home Use** (Standard): Press the Volume button on the TV. When the volume OSD is displayed, press and hold the **MENU** button on the TV for 5 seconds.
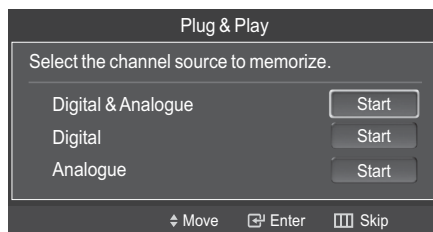
Plug & Play
Select the channel source to memorize.
Digital & Analogue   Start
Digital   Start
Analogue   Start
↕ Move   ⏎ Enter   ⫘ Skip

4 Press the ▲ or ▼ button to select the channel source to memorize. Press the **ENTER** button to select **Start**. **Digital & Analogue**: **Digital** and **Analog** channels. **Digital**: **Digital** channels. **Analogue**: **Analog** channels. The channel search will start and end automatically. Press the **ENTER** button at any time to interrupt the memorization process. After all the available channels are stored, the message **Set the Clock Mode** is displayed.

Plug & Play	
Auto Store in progress.	Channel 6
Digital Channels: 0	
Analogue Channels : --	
▮	3%
Stop	
⏎ Enter ⫘ Skip	

Plug & Play
Auto Store is completed.
Digital channels: 20
Analogue channels: 36
OK
⏎ Enter   ⫘ Skip
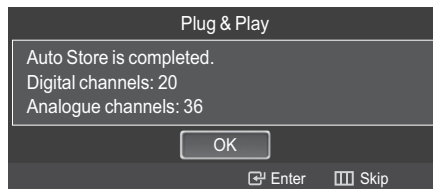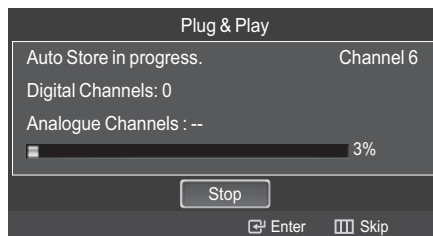
Continued...

➢ To stop the search before it has finished, press the **ENTER** button with stop selected.
Press the ◄ or ► button to select Yes, then press the **ENTER** button. The Auto Store menu then reappears. Press the **ENTER** button when channel memorization is complete.

5 The message **Set the Clock Mode** is displayed. Press the **ENTER** button. Press the ▲ or ▼ button to select **Manual** for setting the current time manually, then press the **ENTER** button. The message **Set current date and time.** is displayed.
➢ If you select **Auto, Select the time zone where you are located.** is displayed, then go to step 8.

6 Press the ◄ or ► button to move to **Day, Month, Year, Hour or Minute** Set the date and time you want by pressing the ▲ or ▼ button, then press the **ENTER** button.
➢ You can set the **Day**, **Month**, **Year**, **Hour** and **Minute** directly by pressing the number buttons on the remote control directly by pressing the number buttons on the remote control.

7 The message **Enjoy your viewing**. is displayed. When you have finished, press the **ENTER** button.
➢ Even if the **ENTER** button is not pressed, the message will automatically disappear after several seconds.

Setting the Clock Automatically...
8 Press the ▲ or ▼ button to highlight the time zone for your local area (and to move the highlight to the appropriate time zone on the map of the Australia). Press the **ENTER** button.

9 The message **Enjoy your viewing**. is displayed. When you have finished, press the **ENTER** button.
➢ Even if the **ENTER** button is not pressed, the message will automatically disappear after several seconds.

If you want to reset this feature …
1 Press the **MENU** button to display the menu.
2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
3 Press the **ENTER** button again to select **Plug & Play**. The message **Start Plug & Play** is displayed.
4 Enter your 4 digit PIN number. The default PIN number of a new TV set is "0-0-0-0".
➢ When there is a locked channel by **Child Lock** setting, PIN input screen appears. (refer to page 25)
➢ For further details on setting up options, refer to the pages 10-11.
➢ The **Plug & Play** feature is only available in the TV mode.

Plug & Play
Set the Clock Mode.
Clock Mode : Auto / Manual
‡ Move ⊞ Enter ▥ Skip

Plug & Play
Set current date and time
Day	Month	Year
01	01	2008
Hour	Minute
12	00
◄► Move ‡ Adjust ⊞ Enter ▥ Skip

Plug & Play
Enjoy your Viewing.
OK

Plug & Play
Set the Clock Mode.
Clock Mode : Auto / Manual
‡ Move ⊞ Enter ▥ Skip

Plug & Play
Select the time zone where you are located.
New South Wales/ACT
Victoria
Queensland
South Australia
Western Australia
Tamania
‡ Move ⊞ Enter ▥ Skip

Setup	
	Plug & Play ►
	Time
	Change PIN
	Parental Lock
	Subtitle
	Teletext Language : ----
	Preference
	Wall-Mount Adjustment

Using the TOOLS Button

**You can use the TOOLS button to select your frequently used functions quickly and easily.
The TOOLS menu changes depending on which external input mode you are viewing.**

1 Press the **TOOLS** button.
   The **TOOLS** menu will appear.
2 Press the ▲ or ▼ button to select a menu, then press the **ENTER** button.
3 Press the ▲/▼/◄/►/**ENTER** buttons to display, change, or use the selected items.
   For a more detailed description of each function, refer to the corresponding page.

   • Device List, see page 72
   • Picture Mode, see page 27
   • Sound Mode, see page 32
   • Sleep Timer, see page 35
   • SRS TS XT, see page 32
   • Energy Saving, see page 39
   • Dual I II, see page 34
   • PIP, see page 39
   • Auto Adjustment, see page 43

TOOLS	
Anynet Device List	
Picture Mode	: Standard
Sound Mode	: Custom
Sleep Timer	: Off
SRS TS XT	: Off
Energy Saving	: Off
Dual I II	: Mono

‡Move Enter Exit
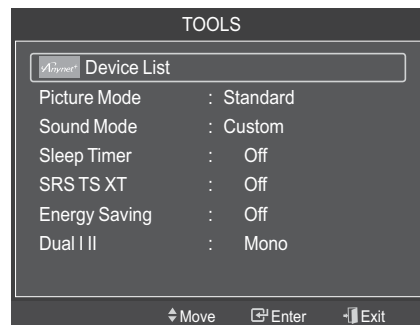
Viewing External Signal Sources

You can switch between viewing signals from connected equipment, such as a VCR, DVD, Set-Top Box, and the TV source.

1 Press the **MENU** button to display the menu.
2 Press the ▲ or ▼ button to select **Input**, then press the **ENTER** button.
3 Press the **ENTER** button again to select **Source List**.
4 Press the ▲ or ▼ button to select the signal source, then press the **ENTER** button.
   Available signal sources: **TV, AV1, AV2, S-Video, Component1, Component2, PC, HDMI1, HDMI2/DVI, HDMI3, USB**

➢ You can choose only those external devices that are connected to the TV.

➢ **Using the Color buttons on the remote with the Source list.**

   • **Red (Refresh)**: Refreshes the connecting external devices.
   • ⌐ **(Option)**: Displays the **Edit Name** and **Information** menus.

Input	
⚙	
⌐	**Source List**
🖼	Edit Name

TV	
AV1	----
AV2	----
S-Video	----
Component1	----
Component2	----
PC	-----
▯ Refresh	⌐ Option
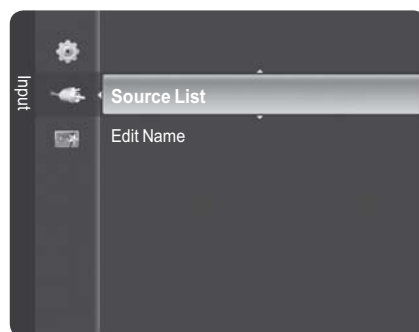
➢ You can select these options simply by pressing the **SOURCE** button on the remote control.

➢ To watch television programme again, press the **TV/DTV** button and select the channel number required.
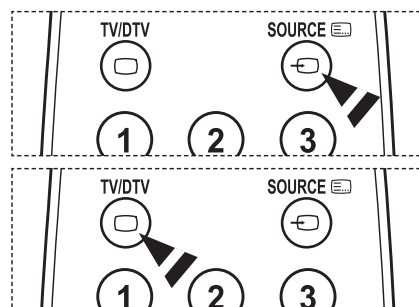
Editing Device Names

You can give a name to the external source.

1   Press the **MENU** button to display the menu.

2   Press the ▲ or ▼ button to select **Input**, then press the **ENTER** button.

3   Press the ▲ or ▼ button to select **Edit Name**, then press the **ENTER** button.

4   Press the ▲ or ▼ button to select the external source to be edited, then press the **ENTER** button.

5   Select the required device by pressing ▲ or ▼, then press the **ENTER** button.
    Available device names: **VCR, DVD, Cable STB, Satellite STB, PVR STB, AV Receiver, Game, Camcorder, PC, TV, IPTV, Blu-Ray, HD DVD, Digital Media Adapter**.

6   Press the **EXIT** button to exit.

Input		
⚙	Source List	
◄	**Edit Name**	►
🖼		

Edit Name		
AV1	: ----	►
AV2	: ----	
S-Video	: ----	
Component1	: ----	
Component2	: ----	
PC	: ----	
HDMI1	: ----	
▼		

♦ Move   🔲 Enter   ↺ Return

Edit Name		
AV1		----
AV2	:	VCR
S-Video	:	DVD
Component1	:	Cable STB
Component2	:	Satellite STB
PC	:	PVR STB
HDMI1	:	▼

♦ Move   🔲 Enter   ↺ Return
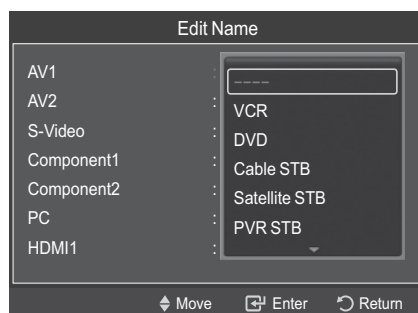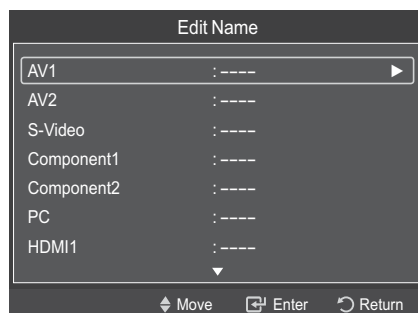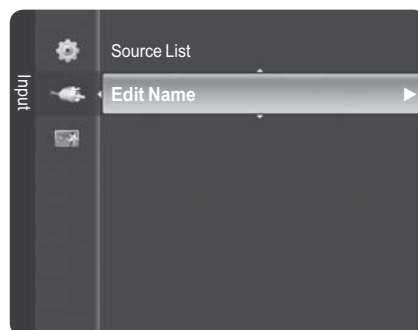
Storing Channels Automatically

You can scan for the frequency ranges available to you (availability depends on your country). Automatically allocated programme numbers may not correspond to actual or desired programme numbers. However you can sort numbers manually and clear any channels you do not wish to watch.

1　Press the **MENU** button to display the menu.

2　Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

3　Press the ▲ or ▼ button to select **Auto Store**, then press the **ENTER** button.

4　Press the ▲ or ▼ button to select the channel source to memorize. Press the **ENTER** button to select **Start**.

　➢ **Digital & Analogue**: **Digital** and **Analog** channels.
　　 Digital: **Digital** channels.
　　 Analogue: **Analog** channels.
　➢ Scans for all channels with active broadcast stations and stores them in the TV's memory.
　➢ If you want to stop Auto Store, press the **ENTER** button.
　　 The **Stop Auto Store**? message will be displayed.
　　 Select **Yes** by pressing the ◄ or ► button, then press
　　 the **ENTER** button.

5　Press the **EXIT** button to exit.
　➢ When there is a locked channel by **Child Lock** setting, PIN input screen appears. (refer to page 25)

Channel	
Auto Store	►
Manual Store	
Full Guide	
Mini Guide	
Default Guide	: Mini Guide
Channel List	
Channel Mode	: Added Channels
Child Lock	: On

Plug & Play	
Select the channel source to memorize.	
Digital & Analogue	Start
Digital	Start
Analogue	Start
⬍ Move　　⊞ Enter　　↺ Return	

Plug & Play	
Auto Store in progress.	Channel 6
Digital Channels: 0	
Analogue Channels : --	
	3%
Stop	
⊞ Enter　　↺ Return	

Plug & Play
Auto Store is completed.
Digital channels: 20
Analogue channels: 36
OK
⊞ Enter　　↺ Return
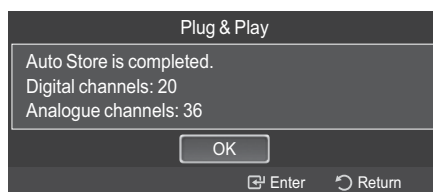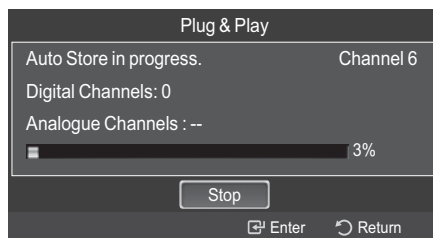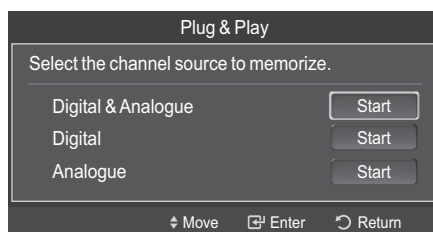
Storing Channels Manually

You can store television channels, including those received via cable networks.
When storing channels manually, you can choose:

◆ Whether or not to store each of the channels found.
◆ The programme number of each stored channel which you wish to identify.

1 Press the **MENU** button to display the menu.
2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
3 Press the ▲ or ▼ button to select **Manual Store**, then press the **ENTER** button.
4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
5 When you are satisfied with your setting, press the **ENTER** button.
6 Press the **EXIT** button to exit.

Digital Channel

◆ **Channel**
Press the ▲, ▼ or numeric buttons (0~9) to select a channel. The available channels are 5~69. The corresponding frequency for the selected channel is automatically set
◆ **Frequency**
You can specify the frequency (KHz) using the numeric buttons (0~9). If you do not know the exact frequency, follow the above step to select the frequency automatically using channel.
◆ **Bandwidth**
Press the ▲ or ▼ button to select a bandwidth. The available bandwidths are 7 and 8 MHz.

Analogue Channel

◆ **Programme** (Programme number to be assigned to a channel)
Press the ▲ or ▼ button until you find the correct number.
➢ You can also select the channel number directly by pressing the numeric buttons (0~9).
◆ **Colour System**: **Auto/PAL/SECAM/NTSC4.43**
Press the ▲ or ▼ button to select the required colour standard.
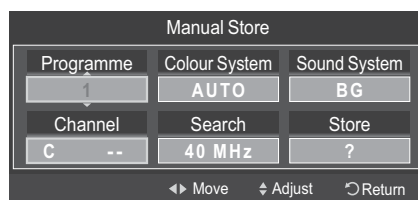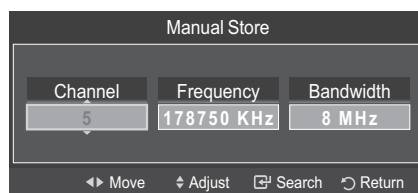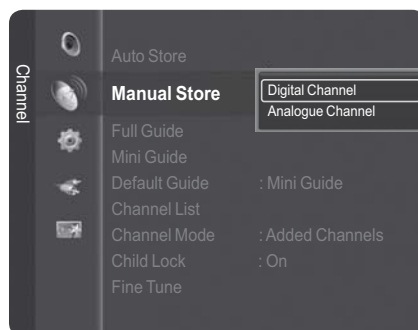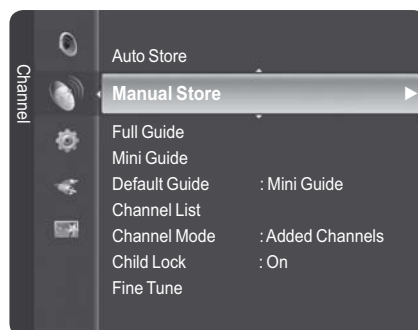◆ **Sound System**: **BG/DK/I/L**
Press the ▲ or ▼ button to select the required sound standard.
◆ **Channel** (When you know the number of the channel to be stored)
Press the ▲ or ▼ button to select **C** (Air channel) or **S** (Cable channel).
Press the ▶ button, then press the ▲ or ▼ button to select the required number.
➢ You can also select the channel number directly by pressing the numeric buttons (0~9).
➢ If there is abnormal sound or no sound, re-select the sound standard required.
◆ **Search** (When you do not know the channel numbers)
Press the ▲ or ▼ button to start the search.
The tuner scans the frequency range until the first channel or the channel that you selected is received on the screen.
◆ **Store** (When you store the channel and associated programme number)
Set to **OK** by pressing the **ENTER** button.
➢ Channel mode
- **P** (Programme mode): When completing tuning, the broadcasting stations in your area have been assigned to position numbers from P00 to P99. You can select a channel by entering the position number in this mode.
- **C** (Air channel mode): You can select a channel by entering the assigned number to each air broadcasting station in this mode.
- **S** (Cable channel mode): You can select a channel by entering the assigned number for each cable channel in this mode.

Channel	
Auto Store	
Manual Store	▶
Full Guide	
Mini Guide	
Default Guide	: Mini Guide
Channel List	
Channel Mode	: Added Channels
Child Lock	: On
Fine Tune	

Channel	
Auto Store	
Manual Store	Digital Channel
	Analogue Channel
Full Guide	
Mini Guide	
Default Guide	: Mini Guide
Channel List	
Channel Mode	: Added Channels
Child Lock	: On
Fine Tune	

Manual Store

Channel	Frequency	Bandwidth
5	178750 KHz	8 MHz

◀▶ Move ⬍ Adjust Search ↩ Return

Manual Store

Programme	Colour System	Sound System
1	AUTO	BG
Channel	Search	Store
C --	40 MHz	?

◀▶ Move ⬍ Adjust ↩ Return

Viewing the EPG (Electronic Programme Guide) Information

The EPG (Electronic Programme Guide) information is provided by the broadcasters. Programme entries may appear blank or out of date as a result of the information broadcast on a given channel. The display will dynamically update as soon as new information becomes available.

1 Press the **MENU** button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **Full Guide**, **Mini Guide** or **Default Guide** then press the **ENTER** button.

◆ **Full Guide**
For the six channels indicated in the left-hand column, displays the Current programme and the Next programme information.
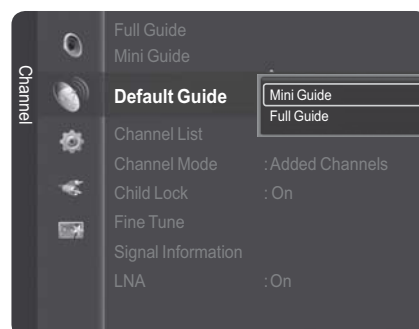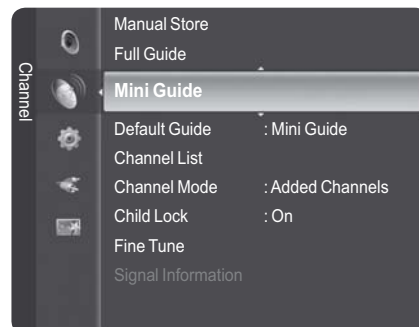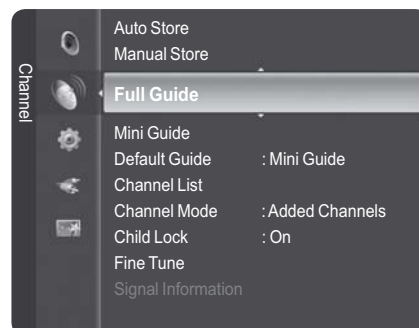➢ One hours of programme information is displayed which may be scrolled forwards or backwards in time.

◆ **Mini Guide**
The information of each program is displayed by each line on the current channel Mini Guide screen from the current program onwards according to the program starting time order.

▲/▼/◀/▶, ⏎ (**ENTER**)	Select a programme by pressing the ▲/▼/◀/▶ button. If the next progrmme is selected, it is scheduled with the clock icon displayed. If the **ENTER** button is pressed again, press the ▲/▼/◀/▶ button to select **Cancel Schedules**, the scheduling is canceled with the clock icon gone. For details about scheduling programmes, refer to the section.
RED	Toggle between the **Mini Guide** or **Full Guide**.
GREEN	Full Guide: Scroll backwards quickly (24 hours). Mini Guide: Display next page quickly.
YELLOW	Full Guide: Scroll forwards quickly (24 hours). Mini Guide: Display previous page quickly.
BLUE	Exit the guide.
INFO	**INFO** button for the detailed information. Channel Number, Running Time, Status Bar, Parental Level, Video Quality Information (HD/SD), Sound Modes, Subtitle or Teletext, languages of Subtitle or Teletext and brief summary of the highlighted programme are included on the detailed information. "…" will be appeared if the summary is long.

◆ **Default Guide: Mini Guide/Full Guide**
Press the ▲ or ▼ button to select **Mini Guide** or **Full Guide**. Press the **ENTER** button. The selected guide menu is displayed.
➢ You can also display the guide menu simply by pressing the **GUIDE** button.

	Channel	
🔘	Auto Store	
	Manual Store	
🎚	**Full Guide**	
⚙	Mini Guide	
	Default Guide	: Mini Guide
🔌	Channel List	
🖼	Channel Mode	: Added Channels
	Child Lock	: On
	Fine Tune	
	Signal Information	

Full Guide

	DTV 805 BBCi	18:08 Fri 5 Aug
	BBCi 18:00~0:00 BBCi-featuring news, sport, weather and TV..	

Today	18:00~19:00	19:00~20:00
▲801 BBC NEWS 24	BBC Ne..	BBC News
802 BBC ONE	BBC Ne..	Departure Lounge
803 BBC THREE	This is BBC THREE	The 7 O'..
804 BBC THREE	This Weakest L..	Tsunami..
805 BBCi	BBCi	
▼806	Canal 7	No Information

⏎ Watch   INFO information ■Mini Guide   ■+24 Hours ■Exit

	Channel	
🔘	Manual Store	
	Full Guide	
🎚	**Mini Guide**	
⚙	Default Guide	: Mini Guide
	Channel List	
🔌	Channel Mode	: Added Channels
🖼	Child Lock	: On
	Fine Tune	
	Signal Information	

Mini Guide	DTV 801 BBC NEWS 24
18:00	BBC News
18:30	Sportsday
19:00	BBC News

⏎ Watch   INFO information ■Full Guide   ■Next Page ■Exit

	Channel	
🔘	Full Guide	
	Mini Guide	
🎚	**Default Guide**	Mini Guide Full Guide
⚙	Channel List	
	Channel Mode	: Added Channels
🔌	Child Lock	: On
🖼	Fine Tune	
	Signal Information	
	LNA	: On

Viewing All Channels

Show all currently available channels. To use the Channel List function, first run Auto Program.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

◎	Mini Guide
	Default Guide : Mini Guide
⚫	**Channel List**
	Channel Mode : Added Channels
⚙	Child Lock : On
	Fine Tune
✎	Signal Information
🖼	LNA : On

**2** Press the ◄ button to select **Added Channels**.

824 UKTV Gold
825 UKTV style
A1 C --
A2 C --
A3 C --
A4 C --
A5 C --
A6 C --
A7 C --
A8 C --
All ▪ Channel Type ▪ Zoom ▪ Select ⊟ Option

3 Press the ▲ or ▼ button to select **All Channels**, then press the **ENTER** button. Shows all currently available channels.

824 UKTV Gold
825 UKTV style
A1 C --
A2 C --
A3 C --
A4 C --
A5 C --
A6 C --
A7 C --
A8 C --
All ▪ Channel Type ▪ Zoom ▪ Select ⊟ Option

4 Press the ▲ or ▼ button to select a channel to view, then press the **ENTER** button.

824 UKTV Gold
825 UKTV style
A1 C --
A2 C -- | Delete
A3 C -- | Add to Favourite
A4 C - | Timer Viewing
A5 C -- | Edit Channel Name
A6 C -- | Sort
A7 C -- | Select All
A8 C -- | ▼
All ▪ Channel Type ▪ Zoom ▪ Select ⊟ Option
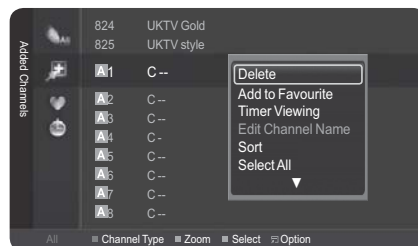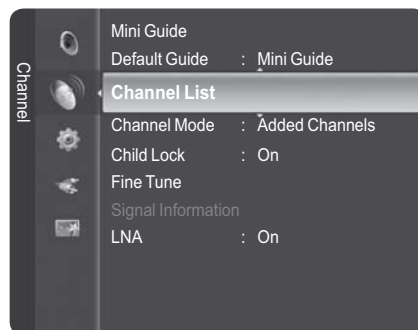
☞ Press the **CH LIST** button on the remote control to bring up the channel lists.

Using the Color buttons on the Remote with the Channel List

• **Red (Antenna)**: Toggle between your **TV**, **Radio**, **Data/Other** and **All**.
• **Green (Zoom)**: Enlarges or shrinks a channel number.
• **Yellow (Select)**: Selects multiple channel lists.
• ▭ **(Option)**: Displays the **Delete**(or **Add**), **Add to Favourite**(or **Delete from Favourite**), **Lock**, **Timer Viewing**, **Edit Channel Name**, **Sort**, **Edit Channel Number**, **Select All**, **Deselect All** or **Auto Store** menu. (The Options menus may differ depending on the situation.)
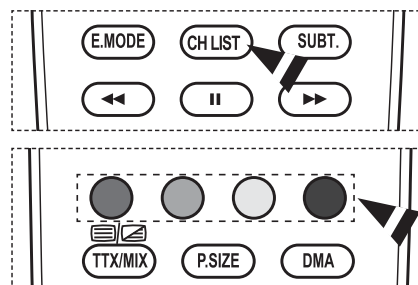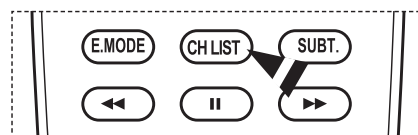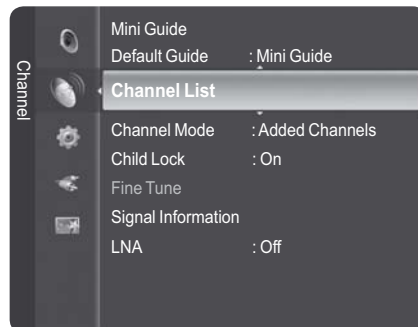
➤ A gray-colored channel indicates the channel has been deleted. The Add menu only appears for deleted channels.

➤ A channel marked with ♥ mark means the channel has been set as a Favourite.
The Delete from Favourite menu only appears for channels with the ♥ mark.

Erasing and Adding Channels

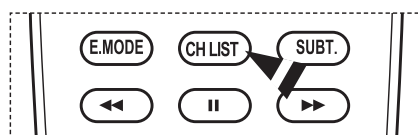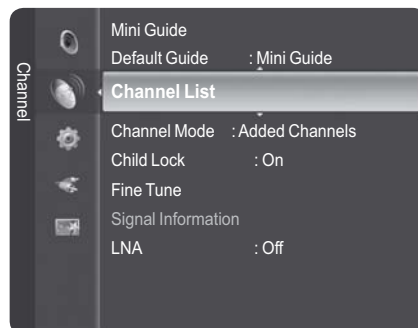**You can delete or add a channel to display the channels you want.**

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

2 Press the ◄ button to select **Added Channels**.

3 Press the ▲ or ▼ button to select **All Channels**.
Shows all currently available channels. Press the **ENTER** button.

4 Press the ▲ or ▼ button to select a channel to delete, then press the **TOOLS** button.

5 Press the **ENTER** button to select **Delete**.
All deleted channels will be shown on **Added Channels** menu.

	Mini Guide	
	Default Guide	: Mini Guide
Channel	**Channel List**	
	Channel Mode	: Added Channels
	Child Lock	: On
	Fine Tune	
	Signal Information	
	LNA	: Off

```
Added Channels    824   UKTV Gold
                  825   UKTV style
                  A1    C --
                  A2    C --
                  A3    C --
                  A4    C --
                  A5    C --
                  A6    C --
                  A7    C --
                  A8    C --
         All      ▪Channel Type  ▪Zoom  ▪Select  ▫Option
```

```
Added Channels    824   UKTV Gold
                  825   UKTV style
                  A1    C --
                  A2    C --
                  A3    C --
                  A4    C --
                  A5    C --
                  A6    C --
                  A7    C --
                  A8    C --
         All      ▪Channel Type  ▪Zoom  ▪Select  ▫Option
```

6 Press the **EXIT** button to exit.
➢ You can also add a channel to the **Added Channels** menu in the same manner.
➢ A channel must be deleted before it can be added back to the **Added Channels** list.
➢ To Add (Restore) a channel back to the Added Channel List, follow steps 1-3 above, press the ▲ or ▼ button to select a channel to add, the press the **TOOLS** button. Press the **ENTER** button to select Add.
➢ Press the **CH LIST** button on the remote control to bring up the channel lists.

```
Added Channels    824   UKTV Gold
                  825   UKTV style
                  A1    C --    ┌─────────────────┐
                               │ Delete          │
                  A2    C --    │ Add to Favourite│
                  A3    C -     │ Lock            │
                  A4    C --    │ Timer Viewing   │
                  A5    C --    │ Channel Nam e Edit│
                  A6    C --    │ Sort            │
                  A7    C --    │       ▼         │
                  A8    C --    └─────────────────┘
         All      ▪Channel Type  ▪Zoom  ▪Select  ▫Option
```

```
( E.MODE )   ( CH LIST )   ( SUBT. )

(  ◄◄  )    (   II   )    (  ►►  )
```

Setting Your Favourite Channels

You can set channels you watch frequently as Favourites.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

2 Press the ◄ button to select **Added Channels**.

3 Press the ▲ or ▼ button to select **All Channels**, then press the **ENTER** button.
Shows all currently available channels.

4 Press the ▲ or ▼ button to select a channel as a Favourite channel, then press the **TOOLS** button.

5 Press the ▲ or ▼ button to select **Add to Favourite**, then press the **ENTER** button.
The "♥" symbol will be displayed and the channel will be set as a Favourite.

6 To cancel your Favourite channel selection, press the **TOOLS** button when a Favourite channel is selected.
Press the ▲ or ▼ button to select **Delete from Favourite**, then press the **ENTER** button. The channel is deleted from Favourites and the "♥" mark disappears.
Press the **EXIT** button to exit.
➤ You can also Add or Delete a channel from Favourites in the **Added Channels** menu in the same manner.
➤ All Favourite channels will be shown on **Favourite** menu.
➤ Press the **CH LIST** button on the remote control to bring up the channel lists.

◆ **Channel Mode: Added Channels/Favourite Channels**
– **Added Channels**
Press the ▲ or ▼ button to select **Added Channels**, then press the **ENTER** button.
– **Favourite Channels**
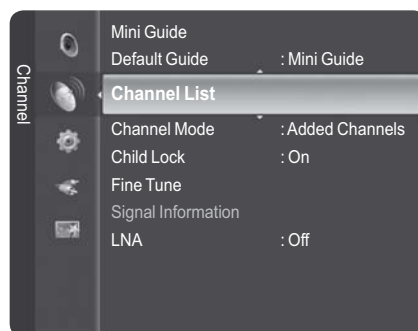Press the ▲ or ▼ button to select **Favourite Channels**, then press the **ENTER** button.

Reserving a Program (Time Viewing)

If you reserve a program you want to watch, the channel is automatically switched to the reserved channel in the Channel List; even when you are watching another channel.
To reserve a program, set the current time first. See page 35. Reserved chanels can only be set if they are in the Channel List (See page 17).
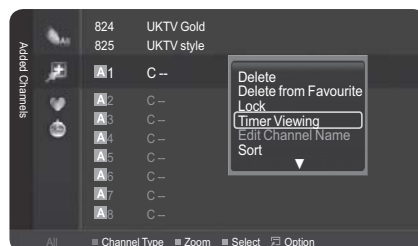
1   Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

	Mini Guide	
	Default Guide	: Mini Guide
	Channel List	
	Channel Mode	: Added Channels
	Child Lock	: On
	Fine Tune	
	Signal Information	
	LNA	: Off

2   Press the ▲ or ▼ button to select a channel, then press the **TOOLS** button.

3   Press the ▲ or ▼ button to select **Timer Viewing**, then press the **ENTER** button.
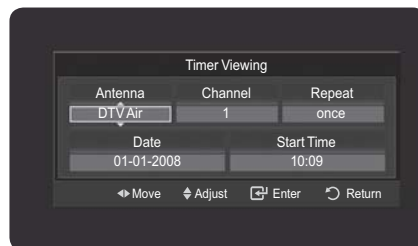
The Reserve a Program (Timer Viewing) screen appears.

824	UKTV Gold
825	UKTV style

Delete
Delete from Favourite
Lock
Timer Viewing
Edit Channel Name
Sort

All   ■ Channel Type   ■ Zoom   ■ Select   Option

4   Press the ▲/▼/◄/► buttons to reserve a program and then press the **ENTER** button.
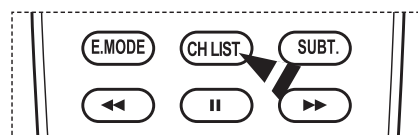Reserving a program has been completed.
Press the **EXIT** button to exit.

➢   You can also reserve a program in the All Channels or Favourite menus using the same procedures.

➢   For information on how to confirm a viewing reservation, refer to page 21. Only memorized channels can be reserved channels.

➢   You can set the channel, month, day, year, hour and minute directly by pressing the number buttons on the remote control.

Timer Viewing

Antenna	Channel	Repeat
DTV Air	1	once
Date		Start Time
01-01-2008		10:09

◄►Move   ♦Adjust   Enter   Return

Press the **CH LIST** button on the remote control to bring up the channel lists.
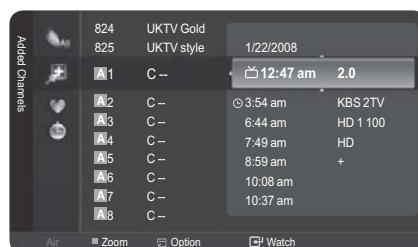
E.MODE   CH LIST   SUBT.

◄◄   II   ►►

Digital Program Guide and Viewing Reservation
When a digital channel is selected, and you press the ► button, the Program Guide for the channel appears. You can reserve a program according to the procedures described above.
⛺ : A program currently being broadcast.
🕐 : A reserved program.

824	UKTV Gold	
825	UKTV style	1/22/2008
A1	C --	**12:47 am 2.0**
A2	C --	3:54 am KBS 2TV
A3	C --	6:44 am HD 1 100
A4	C --	7:49 am HD
A5	C --	8:59 am +
A6	C --	10:08 am
A7	C --	10:37 am
A8	C --	

Air   ■ Zoom   Option   Watch

Confirming a Viewing Reservation

You can view, modify or delete a reservation.

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.

2 Press the ◄ button to select **Added Channels**.

3 Press the ▲ or ▼ button to select **Programmed**, then press the **ENTER** button.
You can view the program reservations.
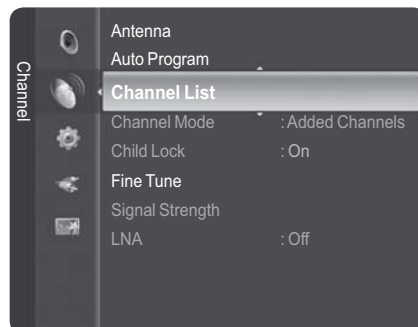
Modifying a viewing reservation
4 To select a reservation item to be modified, press the ▲ or ▼ button and then press the **TOOLS** button.

5 Press the **ENTER** button to select **Change Info**.

6 Press the ▲/▼/◄/► buttons to change a reservation setting and then press the **ENTER** button.
The reservation modification is applied.

Canceling a reservation
4 To select a reservation item to be canceled, press the ▲ or ▼ button, and then press the **TOOLS** button.

5 Press the ▲ or ▼ button to select **Cancel Schedules**, then press the **ENTER** button.

6 Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
The viewing reservation has been canceled.
Press the **EXIT** button to exit.
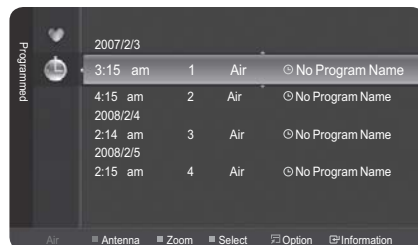
Programmed Menu

- **Change Info**: Select to change a viewing reservation.
- **Cancel Schedules**: Select to cancel a viewing reservation.
- **Information**: Select to view a viewing reservation.
- **Select All/Deselect All**: You can select(or Deselect) all channel in the channel list.
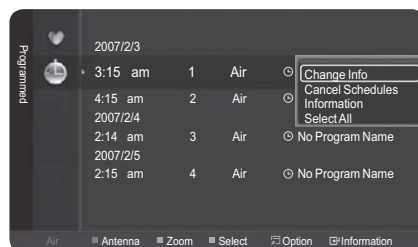
Press the **CH LIST** button on the remote control to bring up the channel lists.
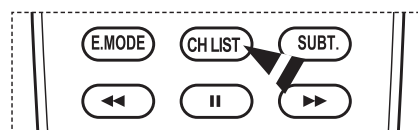
Continued...

Assigning Names to Channels

Channel names will be assigned automatically when channel information is broadcast. These names can be changed, allowing you to assign new names.
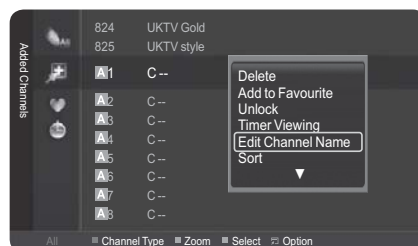
Editing the Channel Name-Analog

1 Press the **MENU** button to display the menu.
2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
3 Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.
4 Press the **TOOLS** button.
5 Press the ▲ or ▼ button to select **Edit Channel Name**, then press the **ENTER** button.
6 Press the ▲ or ▼ button to select the channel to be assigned to a new name, then press the **ENTER** button.
7 Press the ▲ or ▼ button to select a letter, a number, or a symbol (Results in this sequence: A~Z, 0~9, +, -, *, /, blank).
Move on to the previous or next letter by pressing the ◄ or ► button, then press the **ENTER** button.
8 Repeat steps **6** to **7** for each channel to be assigned to a new name.
9 Press the **EXIT** button to exit.
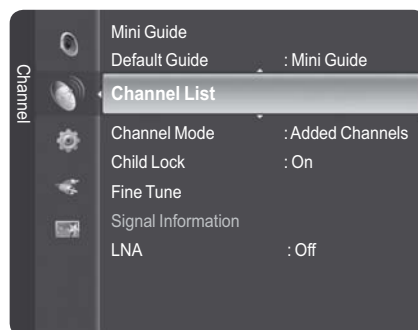
Editing the Channel Number-Digital

1 Press the **MENU** button.
Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.
2 Select the channel number that you wish to edit by pressing the ▲ or ▼ button repeatedly, then press the **TOOLS** button.
3 Press the ▲ or ▼ button to select **Edit Channel Number**, then press the **ENTER** button.
4 Then you can edit the Channel Number pressing the ▲ or ▼ button repeatedly. You can also edit the channel number by pressing the number buttons on the remote control.

Sorting the Stored Channels

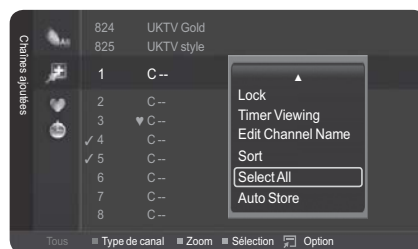**This operation allows you to change the programme numbers of the stored channels.**
This operation may be necessary after using the auto store.

1   Press the **MENU** button to display the menu.
2   Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
3   Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.
4   Press the **TOOLS** button.
5   Press the ▲ or ▼ button to select **Sort**, then press the **ENTER** button.
6   Select the channel that you wish to move by pressing the ▲ or ▼ button, then press the **ENTER** button.
7   Select the number of the programme to which the channel is to be moved by pressing the ▲ or ▼ button.
    Press the **ENTER** button. The channel is moved to its new position and all other channels are shifted accordingly.
8   Repeat steps **6** to **7** until you have moved all the channels to the required programme numbers.
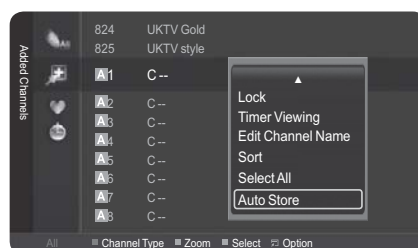9   Press the **EXIT** button to exit.
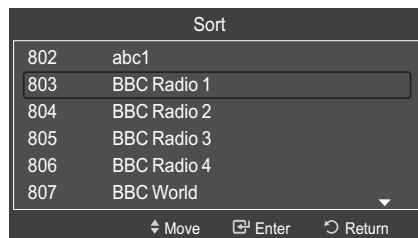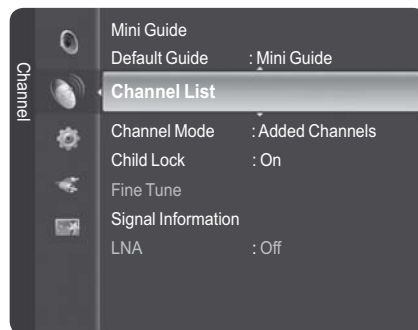
Selecting and Deselecting All Channels

1 Press the **MENU** button.
  Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
  Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.
2 Press the ▲ or ▼ button to select the Channel to be assigned a new name, then press the **TOOLS** button.
3 Press the ▲ or ▼ button to select **Select All** or **Deselect All**, then press the **ENTER** button.
  ➢ You can select(or Deselect) all channel in the channel list.
  ➢ The ✓ mark appears to the left of the selected channels.

```
Chaînes ajoutées    824   UKTV Gold
                    825   UKTV style
                    1     C --
                    2     C --              ▲
                    3    ▼C --        Lock
                   ✓4     C --        Timer Viewing
                   ✓5     C --        Edit Channel Name
                    6     C --        Sort
                    7     C --        Select All
                    8     C --        Auto Store

Tous   ▪ Type de canal  ▪ Zoom  ▪ Sélection  ▭ Option
```
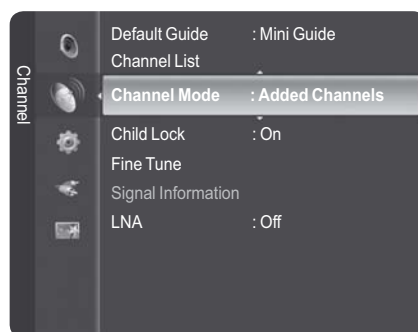
Storing Channels in Memory (Auto Store)

1 Press the **MENU** button.
  Press the ▲ or ▼ button to select **Channel,** then press the **ENTER** button.
  Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.
2 Press the ▲ or ▼ button to select the channel to be assigned a new name, then press the **TOOLS** button.
3 Press the ▲ or ▼ button to select **Auto Store**, then press the **ENTER** button.
  ➢ For further details on setting up options, refer to page 14.
  ➢ When there is a locked channel by **Child Lock** setting, **PIN** input screen appears.(refer to page 25)

```
Added Channels     824   UKTV Gold
                   825   UKTV style
                   A1    C --
                   A2    C --               ▲
                   A3    C --        Lock
                   A4    C --        Timer Viewing
                   A5    C --        Edit Channel Name
                   A6    C --        Sort
                   A7    C --        Select All
                   A8    C --        Auto Store

All    ▪ Channel Type  ▪ Zoom  ▪ Select  ▭ Option
```

Setting the Channel Mode

You can display either the added channels list or the favourite channels list when the CH LIST button on the remote control is pressed.

1 Press the **MENU** button.
  Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
  Press the ▲ or ▼ button to select **Channel Mode**, then press the **ENTER** button.
2 Press the ▲ or ▼ button to select **Added Channels** or **Favourite Channels**, then press the **ENTER** button.
3 Press the **EXIT** button to exit.

```
Channel    Default Guide    : Mini Guide
           Channel List
           Channel Mode     : Added Channels
           Child Lock       : On
           Fine Tune
           Signal Information
           LNA              : Off
```

```
Channel    Default Guide    : Mini Guide
           Channel List
           Channel Mode     :   Added Channels
                                 Favourite Channels
           Child Lock       : On
           Fine Tune
           Signal Information
           LNA              : Off
```

Locking Channels

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by muting out video and audio. Child Lock cannot be released using the buttons on the side. Only the remote control can release the Child Lock setting, so keep the remote control away from children.

◆ **Locking channels**
1   Press the **MENU** button to display the menu.
2   Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.
3   Press the ▲ or ▼ button to select **Child Lock**, then press the **ENTER** button.
     Enter your 4 digit **PIN** number.

     ➢ The default **PIN** number of a new TV set is "0-0-0-0".
     ➢ If you want to change **PIN** number, refer to page 35.
4   Press the ▲ or ▼ button to select **On**, then press the **ENTER** button.
5   Press the ▲ or ▼ button to select **Channel List**, then press the **ENTER** button.
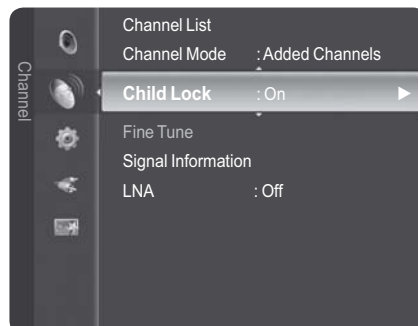6   Press the ▲ or ▼ button to select a channel to be locked, then press the **TOOLS** button.

     ➢ The 🔒 symbol will be displayed and the channel will be locked.

◆ **Unlocking channels**
7   Press the ▲ or ▼ button to select **Unlock**, then press the **ENTER** button.
     Enter your 4 digit **PIN** number.

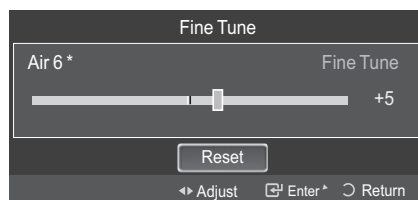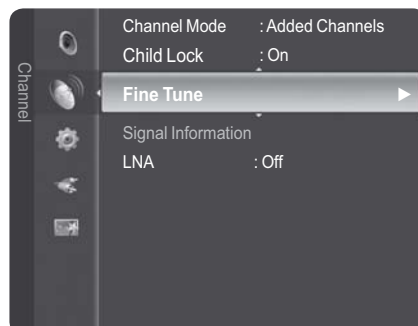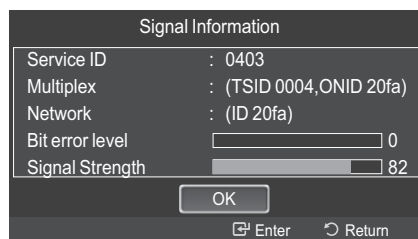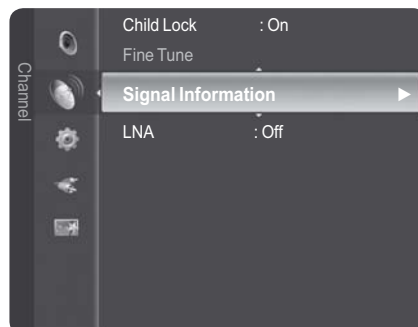   ➢ The channel is unlocked and the 🔒 mark also disappears.
     ➢ The default PIN number of a new TV set is "0-0-0-0".

◯	Channel List
	Channel Mode : Added Channels
🛰	**Child Lock : On ▶**
⚙	Fine Tune
	Signal Information
🔌	LNA : Off
🖼	

Child Lock

Enter PIN

| * | * | * | * |

0~9 Enter PIN   ↩ Return

📡	824	UKTV Gold
➕	825	UKTV style
♥	A1	C --
☺	A2	C --
	A3	C --
	A4	C --
	A5	C --
	A6	C --
	A7	C --
	A8	C --

Delete
Add to Favourite
Lock
Timer Viewing
Channel Name Edit
Sort
▼

All   ▤ Channel Type ▤ Zoom ▤ Select ⊡ Option
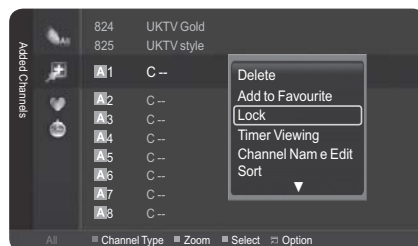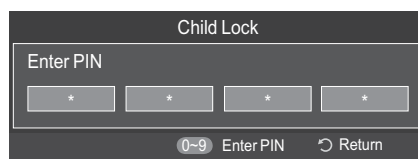
Fine Tuning Analog Channels

Use fine tuning to manually adjust a particular channel for optimal reception.

1   Press the **MENU** button to display the menu.
     Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

2   Press the ▲ or ▼ button to select **Fine Tune**, then press the **ENTER** button.

3   Press the ◄ or ► button to adjust the fine tuning.
     To store the fine tuning setting in the TV's memory, press the **ENTER** button.

     ➢ If you do not store the fine-tuned channel in memory, adjustments are not saved.

4   To reset the fine tuning setting, press the ▼ button to select **Reset**, then press the **ENTER** button.
     Press the **EXIT** button to exit.

     ➢ Only analog TV channels can be fine tuned.
     ➢ " * " will appear next to the number of fine-tuned channels.

◯	Channel Mode : Added Channels
	Child Lock : On
🛰	**Fine Tune ▶**
⚙	Signal Information
	LNA : Off
🔌	
🖼	

Fine Tune

Air 6 *   Fine Tune

                                              +5

Reset

◄► Adjust   ⏎ Enter * ↩ Return

Viewing Signal Information

You can get information about the signal status.

1 Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **Signal Information** , then press the **ENTER** button.

3 Press the **EXIT** button to exit.

➢ If the signal status is poor, the **No signal.** message is displayed.

Child Lock	: On
Fine Tune	
Signal Information	►
LNA	: Off

Signal Information	
Service ID	: 0403
Multiplex	: (TSID 0004,ONID 20fa)
Network	: (ID 20fa)
Bit error level	0
Signal Strength	82

OK

⏎ Enter   ↺ Return

LNA (Low Noise Amplifier)

This function is very useful in the situation that the TV is used in weak signal.
LNA amplifies the TV signal in the weak signal area, a low-noise preamplifier boosts the incoming signal.

1 Press the **MENU** button to display the menu.

2 Press the ▲ or ▼ button to select **Channel**, then press the **ENTER** button.

3 Press the ▲ or ▼ button to select **LNA**, then press the **ENTER** button.

4 Select **Off** or **On** by pressing the ▲ or ▼ button, then press the **ENTER** button.

5 Press the **EXIT** button to exit.

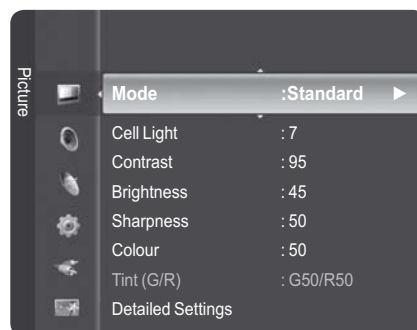|		
Fine Tune		
Signal Information		
LNA	Off	
	On	

Changing the Picture Standard

You can select the type of picture which best corresponds to your viewing requirements.

1. Press the **MENU** button to display the menu.
2. Press the **ENTER** button to select **Picture**.
3. Press the **ENTER** button again to select **Mode**.
4. Select the required mode by pressing the ▲ or ▼ button, then press the **ENTER** button.
   Available modes: **Dynamic**, **Standard**, **Movie**
   ➢ The settings values may vary depending on the input source.
5. Press the **EXIT** button to exit.
   ➢ ◆ Choose **Dynamic** for viewing the TV during the day or when there is bright light in the room.
   ◆ Choose **Standard** for general TV watching mode.
   ◆ Choose **Movie** when viewing the movie.

Easy Setting

1. Press the **TOOLS** button on the remote control.
2. Press the ▲ or ▼ button to select **Picture Mode**.
3. Press the ◄ or ► button to select the required option.

Picture		
Mode	:Standard ►	
Cell Light	: 7	
Contrast	: 95	
Brightness	: 45	
Sharpness	: 50	
Colour	: 50	
Tint (G/R)	: G50/R50	
Detailed Settings		

Picture		
Mode	:	Dynamic
Cell Light	:	Standard
Contrast	:	Movie
Brightness	: 45	
Sharpness	: 20	
Colour	: 50	
Tint (G/R)	: G50/R50	
Detailed Settings		

TOOLS	
Anynet Device List	
Picture Mode	◄ Standard ►
Sound Mode	: Custom
Sleep Timer	: Off
SRS TS XT	: Off
Energy Saving	: Off
Dual I II	: Mono
♦Move ◄►Adjust ◄Ⅱ Exit	
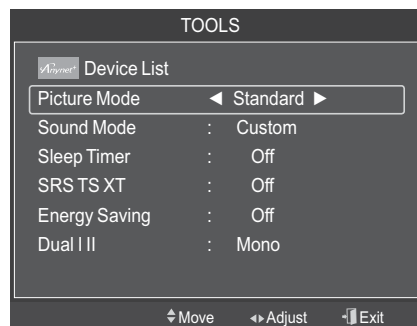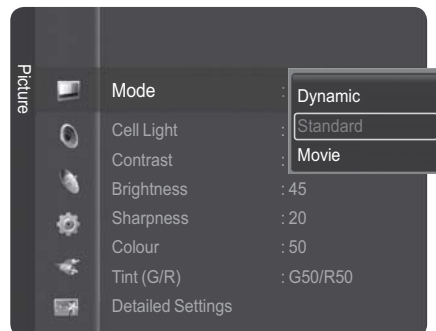
Customizing the Picture Settings

Your television has several setting options that allow you to control the picture quality.

1. Press the **MENU** button to display the menu.
2. Press the **ENTER** button to select **Picture**.
3. Press the **ENTER** button again to select **Mode**.
4. Select the required mode by pressing the ▲ or ▼ button, then press the **ENTER** button.
   Available modes: **Dynamic**, **Standard**, **Movie**
5. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
6. When you are satisfied with your setting, press the **ENTER** button.
7. Press the **EXIT** button to exit.

◆ **Cell Light** – **Contrast** – **Brightness** – **Sharpness** – **Colour** – **Tint(G/R)**
   ➢ In TV, AV, S-Video modes of the PAL system, you cannot use the Tint Function.
   ➢ In PC mode, you can only make changes to **Contrast** and **Brightness**.
   Press the ◄ or ► button until you reach the optimal setting.

Picture		
Mode	:Standard	
Cell Light	: 7	►
Contrast	: 95	
Brightness	: 45	
Sharpness	: 50	
Colour	: 50	
Tint (G/R)	: G50/R50	
Detailed Settings		
Picture Options		

Configuring Detailed Settings on the Picture

You can set detailed picture settings.

1 Press the **MENU** button to display the menu.
2 Press the **ENTER** button to select **Picture**.
3 Press the ▲ or ▼ button to select **Detailed Settings**, then press the **ENTER** button.
4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
   Available options: **Black Adjust**, **Dynamic Contrast**, **Gamma**, **Colour Space**, **White Balance**, **Flesh Tone**, **Edge Enhancement**, **xvYCC**
5 When you are satisfied with your setting, press the **ENTER** button.
6 Press the **EXIT** button to exit.

➢ **Detailed Settings** is available in **Standard** or **Movie** mode.

➢ In **PC** mode, you can only make changes to **Dynamic Contrast**, **Gamma** and **White Balance** from among the **Detailed Settings** items.

◆ **Black Adjust**: **Off/Low/Medium/High**
   You can directly select the black level on the screen to adjust the screen depth.

◆ **Dynamic Contrast**: **Off/Low/Medium/High**
   You can adjust the screen contrast so that the optimal contrast is provided.

◆ **Gamma**: **-3 ~ +3**
   You can adjust the middle brightness of pictures.
   Press the ◄ or ► button until you reach the optimal setting.

◆ **Colour Space : Auto/Native/Custom**
   Colour space is a colour matrix composed of red, green and blue colours.
   Select your favourite colour space to experience the most natural colour.
   − **Auto:** Auto Colour Space automatically adjusts to the most natural colour tone based on program sources.
   − **Native:** Native Colour Space offers deep and rich colour tone.
   − **Custom:** Adjusts the colour range to suit your preference. (see "Customizing the Colour Space")

   Customizing the Colour Space

   Colour: **Red**/**Green**/**Blue**/**Yellow**/**Cyan**/**Magenta**
   Adjusts the Colour range to suit your preference.
   Colour is available when **Colour Space** is set to **Custom**.
   Press the ▲ or ▼ button to select **Red**, **Green**, **Blue**, **Yellow**, **Cyan** or **Magenta**.
   Press the **ENTER** button.
   − **Red**/**Green**/**Blue**: In Colour, you can adjust the RGB values for the selected colour.
     Press the ▲ or ▼ button to select **Red**, **Green** or **Blue** to change it. Press the **ENTER** button.
     Press the ◄ or ► button to decrease or increase the value of a particular item.
     Press the **ENTER** button.
   − **Reset**: Resets the colour space to the default values.

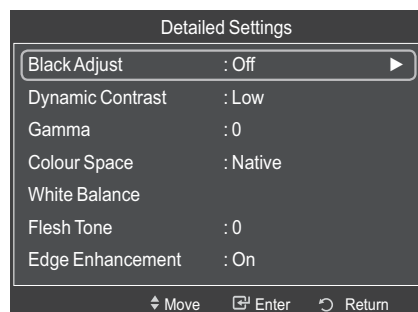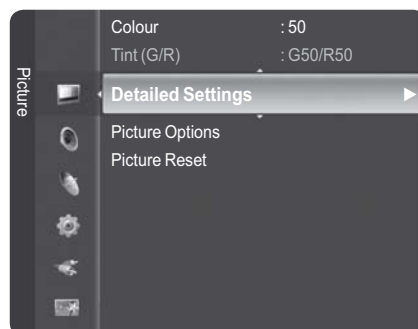◆ **White Balance**: **R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain/Reset**
   You can adjust the colour temperature for more natural picture colours.
   R-Offset/G-Offset/B-Offset/R-Gain/G-Gain/B-Gain: Changing the adjustment value will refresh the adjusted screen.
   Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
   Press the ◄ or ► button until you reach the optimal setting.
   Reset: The previously adjusted white balance will be reset to the factory defaults.

Picture		
Colour	: 50	
Tint (G/R)	: G50/R50	
Detailed Settings		►
Picture Options		
Picture Reset		

Detailed Settings		
Black Adjust	: Off	►
Dynamic Contrast	: Low	
Gamma	: 0	
Colour Space	: Native	
White Balance		
Flesh Tone	: 0	
Edge Enhancement	: On	
‡ Move	Enter	↺ Return

◆ **Flesh Tone:-15~+15**
You can emphasize the pink tone in the picture.
Press the ◄ or ► button until you reach the optimal setting.
➢ Changing the adjustment value will refresh the adjusted screen.

◆ **Edge Enhancement**: **Off/On**
You can emphasize object boundaries.

◆ **xvYCC: Off/On**
Setting the **xvYCC** mode to On increases detail and colour space when watching movies from an external device (ie. DVD player) connected to the HDMI or Component IN jacks. You must set the Picture Mode to Movie to enjoy this feature.
➢ The **xvYCC** function works only in **Component** or **HDMI** mode.

Picture Options

You can set detailed picture settings.

1 Press the **MENU** button to display the menu.
2 Press the **ENTER** button to select **Picture**.
3 Press the ▲ or ▼ button to select **Picture Options**, then press the **ENTER** button.
4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
5 When you are satisfied with your setting, press the **ENTER** button.
6 Press the **EXIT** button to exit.

➢ In **PC** mode, you can only make changes to the **Colour Tone**, **Size** and **Screen Burn Protection** from among the items in **Picture Options**.

◆ **Colour Tone: Cool2/Cool1/Normal/Warm1/Warm2**
  ➢ When the picture mode is set to **Dynamic** or **Standard**, **Warm1** and **Warm2** cannot be selected.

◆ **Size: 16:9/Wide Zoom/Zoom/4:3/Just Scan**
  You can select the picture size which best corresponds to your viewing requirements.
  − **16:9**: Sets the picture to 16:9 wide mode.
  − **Wide Zoom**: Magnify the size of the picture more than 4:3. Move the screen up/down using the ▲ or ▼ button after selecting the 􀀀 by pressing the ► or **ENTER** button.
  − **Zoom**: Magnify the size of the picture vertically on screen.
  − **4:3**: Sets the picture to 4:3 normal mode.
  − **Just Scan**: Use this function to see the full image without any cutoff when HDMI(720p/1080i/1080p), Component(1080i/1080p) signals are input.
    After selecting Just Scan in HDMI (1080i/1080p) or Component (1080i/1080p) mode: Press the ◄ or ► button to select **Position**, then press the **ENTER** button. Press the ▲, ▼, ◄ or ► button to move the picture.
    Reset: Press the ◄ or ► button to select **Reset**, then press the **ENTER** button. You can initialize the setting.
    ➢ With the HDMI Just Scan picture size, depending on the AV devices, the screen may be cut off or a specific colour appears on the screen.
    ➢ For an HDMI (1080p) connection of 24, 25, 30, 50, and 60 Hz, and for a Component (1080p) connection of 50 and 60Hz, only the input source is supported.
  ➢ You can change the picture size simply by pressing the **P.SIZE** button on the remote control.
  ➢ Depending on the input source, the picture size options may vary.
  ➢ The items available may differ depending on the selected mode.
  ➢ When Double (􀀀, 􀀀) mode has been set in PIP, the Picture Size cannot be set.
  ➢ In PC Mode, only "16:9" and "4:3" mode can be adjusted.
  ➢ If you use the "Just Scan" function with HDMI 720p input, 1 line will be cut at the top, bottom, left and right as in the overscan function.

Picture		
	Tint (G/R)	: G50/R50
	Detailed Settings	
	Picture Options	►
	Picture Reset	

Picture Options	
Colour Tone	: Cool2
Size	Cool1
Digital NR	Normal
DNIe	Warm1
HDMI Black Level	Warm2
Movie Plus	
Blue only mode	: Off

‡ Move   ⏎ Enter   ↺ Return

TTX/MIX   P.SIZE   DMA
E.MODE   CH LIST   SUBT.

English - 29
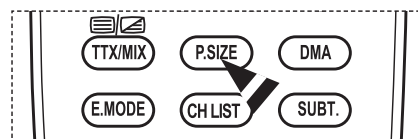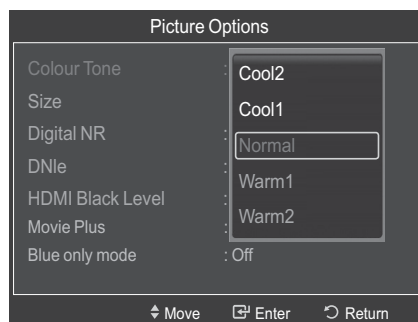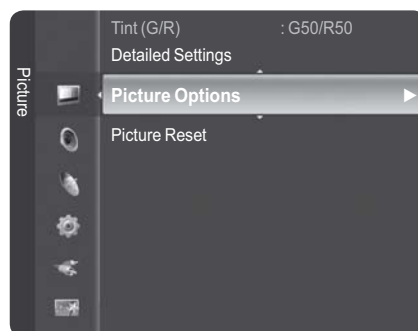
Positioning and Sizing the screen using Zoom

- Resizing the screen using the **Zoom** enables the positioning and sizing of the screen to up/down direction using the ▲ or ▼ button as well as the screen size.
- Move the screen up/down using the ▲ or ▼ button after selecting the 📱 by pressing the ◄ or ► button.
- Resize the screen vertically using the ▲ or ▼ button after selecting the 📱 by pressing the ◄ or ► button.

◆ **Digital NR: Off/Low/Medium/High/Auto**
  If the signal received by the television is weak, you can activate this feature to reduce any static and ghosting that may appear on the screen.
  ➢ When the signal is weak, select one of the other options until the best picture is displayed.

◆ **DNIe: Off/Demo/On**
  This TV includes the DNIe function so as to provide a high visual quality. If you set DNIe to on, you can view the screen with the DNIe feature activated. If you set the DNIe to Demo, you can view the applied DNIe and normal pictures on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.
  ➢ **DNIe™ (Digital Natural Image engine)** DNIe™
    This feature brings you more detailed image with 3D noise reduction, detail enhancement, contrast enhancement and white enhancement. New image compensation Algorithm gives brighter, clearer, more detailed image to you. DNIe™ technology will fit every signal into your eyes.
  ➢ This function is available only in **Dynamic** mode.

Picture Options	
Colour Tone	: Normal
Size	: 16:9
Digital NR	: **Off**
DNIe	: Low
HDMI Black Level	: Medium
Movie Plus	: High
Blue only mode	: Auto

‡ Move   ⊞ Enter   ↻ Return

◆ **HDMI Black Level: Normal/Low**
  Using this function, you can adjust the image quality when the screen burn (appearance of black level, low contrast, low colour, etc.) is encountered by the HDMI input for RGB limited range (16 to 235).
  ➢ This function is active only when the external input connects to HDMI(RGB signals).

◆ **Movie Plus: Off/Low/Medium/High/Demo**
  You can view more natural skin and clear text even in fast moving scenes.
  ➢ Use this function when watching movies.
  ➢ This function is not available in **Wide Zoom** and **Zoom** modes.
  ➢ This function is not available when **PIP** is set to **On**.
  ➢ It is not supported in HDMI 1080p/24Hz, 25Hz, 30Hz mode.

◆ **Blue Only Mode: Off/On**
  This function is for AV device measurement experts. This function displays the blue signal only by removing the red and green signals from the video signal so as to provide a Blue Filter effect that is used to adjust the Colour and Tint of video equipment such as DVD players, Home Theaters, etc. Using this function, you can adjust the Colour and Tint to preferred values appropriate to the signal level of each video device using the Red/Green/Blue/ Cyan/Magenta/ Yellow Colour Bar Patterns, without using an additional Blue Filter.
  ➢ **Blue Only Mode** is available when the picture mode is set to **Movie** or **Standard**.
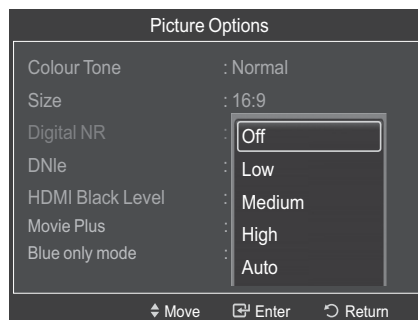
◆ **Screen Burn Protection**
To reduce the possibility of screen burn, this unit is
equipped with screen burn prevention technology. This
technology enables you to set picture movement up/down
(Vertical Line) and side to side (Horizontal Dot). The Time
setting allows you to program the time between movement
of the picture in minutes.

- **Pixel Shift**: Using this function, you can minutely move
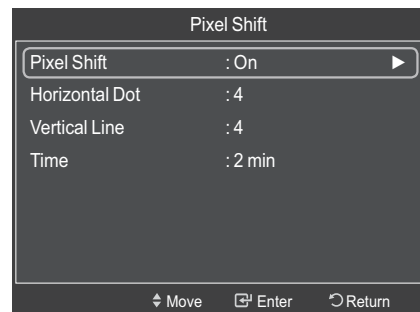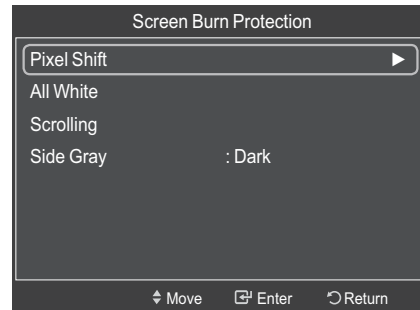 pixels on the PDP in horizontal or vertical direction to
  minimize after image on the screen.
  - Set **Pixel Shift** to **On** by pressing the ▲ or ▼ button,
    then press the **ENTER** button.
  - Select the required option by pressing the ▲ or ▼
    button, then press the **ENTER** button.
    Available options: **Horizontal Dot, Vertical Line, Time**
➢ Optimum condition for pixel shift;

	PC	TV/AV/Component/HDMI
Horizontal Dot	4	4
Vertical Line	4	4
Time (minute)	4	2 min

Screen Burn Protection	
Pixel Shift	▶
All White	
Scrolling	
Side Gray	: Dark

‡ Move   Enter   Return

Pixel Shift	
Pixel Shift	: On ▶
Horizontal Dot	: 4
Vertical Line	: 4
Time	: 2 min

‡ Move   Enter   Return

➢ This function is not available in the Just Scan mode.
➢ The Pixel Shift value may differ depending on the monitor size (inches) and mode.
- **All White**: This function helps remove after images on the screen by changing the colour of
  pixels to white. Use this function when there are remaining after images or symbols on the screen
  specially when you displayed a still image on the screen for a long time.
- **Scrolling:** This function helps remove after images on the screen by moving all the pixels on the
  PDP according to a pattern. Use this function when there are remaining after images or symbols
  on the screen especially when you displayed a still image on the screen for a long time.
- **Side Gray:** When you watch TV with the screen ratio of 4:3, the screen is prevented from any
  damage by adjusting the white balance on both extreme left and right sides.
  Dark: When you set the screen ratio to 4:3, it darkens the left and right sides.
  Light: When you set the screen ratio to 4:3, it brightens the left and right sides.
➢ To remove after images on the screen, use either White or Scrolling function. Although both of the
  two functions remove after images on the screen, Scrolling is more effective.
➢ The after image removal function has to be executed for a long time (approximately 1 hour) to
  effectively remove after images on the screen. If after image is not improved after the execution
 of the function, repeat the function again.
➢ Press any button on the remote control to cancel this feature.

Resetting the Picture Settings to the Factory Defaults

You can set detailed picture settings.

1 Press the **MENU** button to display the menu.
2 Press the **ENTER** button to select **Picture**.
3 Press the ▲ or ▼ button to select **Picture Reset**, then
  press the **ENTER** button.
4 Press the ▲ or ▼ button to select **OK** or **Cancel** then
  press the **ENTER** button.

➢ Each mode can be reset.

Picture	Detailed Settings
	Picture Options
	Picture Reset
	OK
	Cancel
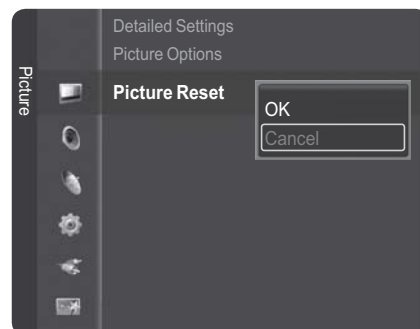
Sound Features

1 Press the **MENU** button to display the menu.
2 Press the ▲ or ▼ button to select **Sound**, then press the **ENTER** button.
3 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
   Available options: **Mode**, **Equalizer**, **SRS TruSurround XT**, **Audio Language, Audio Format, Auto Volume**, **TV Speaker**, **Sound Select, Sound Reset**
4 When you are satisfied with your setting, press the **ENTER** button.
5 Press the **EXIT** button to exit.

◆ **Mode**: **Standard/Music/Movie/Speech/Custom**
You can select the type of special sound effect to be used when watching a given broadcast.

Easy Setting

1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **Sound Mode**.
3 Press the ◄ or ► button to select the required option.
4 Press the **EXIT** or **TOOLS** button to exit.

◆ **Equalizer: Mode/Balance/100Hz/300Hz/1kHz/3kHz/ 10kHz/Reset**
You can select a sound mode to suit your personal preferences.
The television has several settings which allow you to control the sound quality.
- **Reset** : Resets the equalizer settings to the default values.

◆ **SRS TruSurround XT**: **Off/On**
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

Easy Setting

1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **SRS TS XT**.
3 Press the ◄ or ► button to select **Off** or **On**.
4 Press the **EXIT** or **TOOLS** button to exit.

	Mode	: Custom ►
	Equalizer	
	SRS TruSurround XT	: Off
	Audio Language	: ----
	Audio Format	: ----
	Auto Volume	: Off
	TV Speaker	: On
	Sound Select	: Main

TOOLS		
🅰 Device List		
Picture Mode	:	Standard
Sound Mode	◄	Custom ►
Sleep Timer	:	Off
SRS TS XT	:	Off
Energy Saving	:	Off
Dual I II	:	Mono
↕Move ◄►Adjust ◄ Exit		

TOOLS		
🅰 Device List		
Picture Mode	:	Standard
Sound Mode	:	Custom
Sleep Timer	:	Off
SRS TS XT	◄	Off ►
Energy Saving	:	Off
Dual I II	:	Mono
↕Move ◄►Adjust ◄ Exit		

SRS(●)
TruSurround XT   TruSurround XT, SRS and (●) Symbol are trademarks of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

◆ **Audio Language**
You can change the default value for audio languages. Displays the language information for the incoming stream.

➢ While viewing a Digital channel, this function can be selected.
➢ You can only select the language among the actual languages being broadcast.

◆ **Audio Format: MPEG/Dolby Digital**
When sound is emitted from both the main speaker and the audio receiver, a sound echo may occur due to the decoding speed difference between the main speaker and the audio receiver. In this case, use the TV Speaker function.

➢ While viewing a Digital channel, this function can be selected.
➢ The Audio Format appears according to the broadcasting signal.

DD DOLBY ® **DIGITAL**	Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

◆ **Auto Volume**: **Off/On**
Each broadcasting station has its own signal conditions, and so it is not easy to adjust the volume every time the channel is changed. This feature lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

◆ **TV Speaker**: **Off/On**
If you want to hear the sound through separate speakers, cancel the internal amplifier.
➢ The **– ◢ +**, **MUTE** buttons do not operate when the **TV Speaker** is set to **Off**.
➢ When **TV Speaker** is set to **Off**, you can operate only **Audio Language, Audio Format, Sound Select**(in PIP mode)**, Sound Reset**(in digital TV mode) and **Sound Reset**(in analog TV mode) in Sound menu.

	TV's Internal Speakers			**Audio Out (Optical, L/R Out) to Sound System**		
	TV	**AV, S-Video**	**Component, PC, HDMI**	**TV**	**AV, S-Video**	**Component, PC, HDMI**
TV Speaker On	Speaker Output	Speaker Output	Speaker Output	Speaker Output	Speaker Output	Speaker Output
TV Speaker Off	Mute	Mute	Mute	Speaker Output	Speaker Output	Speaker Output
Video No Signal	Mute	Mute	Mute	Mute	Mute	Mute

◆ **Sound Select: Main/Sub**
When the PIP feature is activated, you can listen to you can operate only Sound Select (in PIP mode) in Sound menu.
− **Main**: Used to listen to the sound of the main picture.
− **Sub**: Used to listen to the sound of the sub picture.

◆ **Sound Reset: Reset All/Reset Sound Mode/Cancel**
You can restore the Sound settings to the factory defaults.
- **Reset All**: All the sound values return to default settings.
- **Reset Sound Mode**: Currently set values return to default settings.

Selecting the Sound Mode (depending on the model)

The DUAL I-II button displays/controls the processing and output of the audio signal. When power is switched on, the mode is automatically preset to either "DUAL-I" or "Stereo", depending on the current transmission.

Easy Setting

1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **Dual I-II**.
3 Press the ◄ or ► button to select the required option.

	TOOLS	
Anynet Device List		
Picture Mode	:	Standard
Sound Mode	:	Standard
Sleep Timer	:	Off
SRS TS XT	:	Off
Energy Saving	:	Off
Dual I II	◄	Mono ►

‡Move   ◄►Adjust   ◄▌Exit
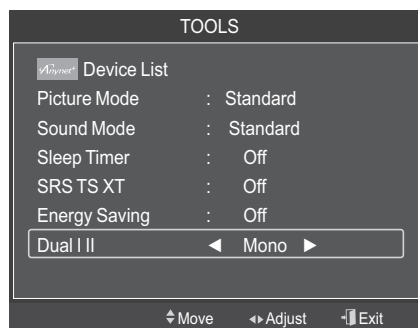
	Type of broadcast	On-screen indication		
NICAM Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)		
	Regular + NICAM Mono	**NICAM**	↔	**Mono** (Normal)
	NICAM-Stereo	**NICAM Stereo**	↔	**Mono** (Normal)
	NICAM Dual-I/II	**NICAM Dual-1** →	**NICAM Dual-2** →	**Mono** (Normal)
A2 Stereo	Regular broadcast (Standard audio)	**Mono** (Normal use)		
	Zweisprachig oder Dual-I/II	**Dual I**	↔	**Dual II**
	Stereo	**Stereo**	↔	**Mono** (Forced mono)

➢ ◆ If the receiving conditions deteriorate, listening will be easier if the mode is set to **Mono**.
◆ If the stereo signal is weak and automatic switching occurs, switch to **Mono**.
◆ This function is only available in Analog TV mode.

Connecting Headphones (Sold separately)

You can connect a set of headphones to your set if you wish to watch a TV program without disturbing other people in the room.

➢ When you insert the head set jack into the corresponding port, you can operate only

    DTV : Audio Language, Audio Format, TV Speaker, Sound Reset
    ATV : TV Speaker, Sound Reset
    PIP : Sound Select

➢ Prolonged use of headphones at a high volume may damage your hearing.

➢ You will not hear sound from the speakers when you connect headphones to the TV.

➢ The headphone volume and TV volume are adjusted separately.

TV Side Panel

15
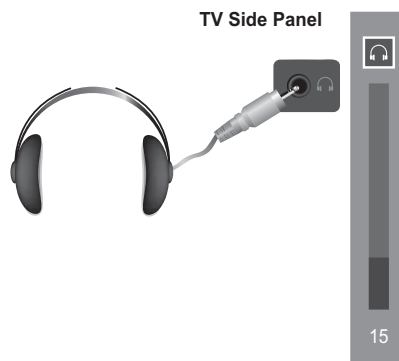
Time Features

1 Press the **MENU** button to display the menu.
2 Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.
3 Press the ▲ or ▼ button to select **Time**, then press the **ENTER** button.
4 Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
   Available options: **Clock**, **Sleep Timer**, **Timer 1**, **Timer 2**, **Timer 3**
5 When you are satisfied with your setting, press the **ENTER** button.
6 Press the **EXIT** button to exit.

◆ **Clock**
   You can set the television clock so that the current time is displayed when pressing the **INFO** button on the remote control. You must also set the time if you wish to use the automatic on or off timers.

   <u>**Option 1: Setting the Clock Manually**</u>
   - Clock Mode
   Press the **ENTER** button to select **Clock Mode**.
   Press the ▲ or ▼ button to select **Manual**, then press the **ENTER** button.
   - Clock Set
   Press the ◄ or ► button to select **Day**, **Month**, **Year**, **Hour**, **Minute** or **am/pm**. Set these by pressing the ▲ or ▼ button.
   ➢ You can set the **Day, Month**, **Year**, **Hour**, or **Minute** directly by pressing the numeric buttons on the remote control.

   <u>**Option 2: Setting the Clock Automatically**</u>
   - Clock Mode
   Press the **ENTER** button to select **Clock Mode.**
   Press the ▲ or ▼ button to select **Auto**, then press the **ENTER** button.
   - Time Zone
   You can select the time zone where you are located.
   ➢ This menu is only enabled when you select a country supported by the time zone.

   Easy Setting
   1 Press the **TOOLS** button on the remote control.
   2 Press the ▲ or ▼ button to select **Sleep Timer**.
   3 Press the ◄ or ► button to select the minute, then Press the **ENTER** button.
   4 Press the **EXIT** or **TOOLS** button to exit.

◆ **Sleep Timer**
   You can select a time period of between 30 and 180 minutes after which the television automatically switches to standby mode.
   − Select the preset time interval (**Off**, **30**, **60**, **90**, **120**, **150**, or **180**) for staying on by pressing the ▲ or ▼ button.

Setup		
🖐	Plug & Play	
⚙	**Time**	►
🗲	Change PIN	
🖼	Parental Lock	
	Subtitle	
	Teletext Language	: ----
	Preference	
	Wall-Mount Adjustment	
	Melody	: Off

Time	
Clock	: 12 : 00 ►
Sleep Timer	: Off
Timer 1	: Inactivated
Timer 2	: Inactivated
Timer 3	: Inactivated
⬍ Move ⏎ Enter ↺ Return	

TOOLS		
📱 Device List		
Picture Mode	:	Standard
Sound Mode	:	Custom
Sleep Timer	◄	Off ►
SRS TS XT	:	Off
Energy Saving	:	Off
Dual I II	:	Mono
⬍ Move ◄► Adjust ◄❙ Exit		
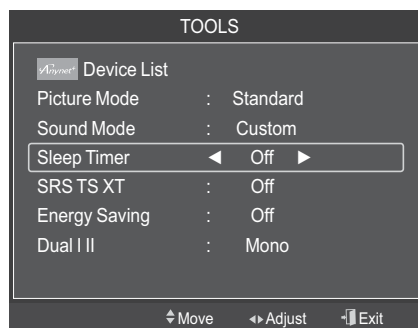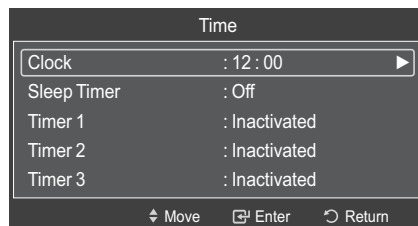
◆ **Timer 1 / Timer 2 / Timer 3**
You can set the On/Off timers so that the television will switch
on or off automatically at the time you select.
☛ You must set the clock first.
− Press the ◄ or ► button to select the required item below.
Press the ▲ or ▼ button to adjust to the setting satisfied.

Timer 1		
On Time		
00	00	Inactivate
Off Time		
12	00	Inactivate
Volume	Antenna	Channel
10	ATV	1
Repeat	Sun Mon Tue Wed The Fri Sat	
Once	☐ ☐ ☐ ☐ ☐ ☐ ☐	
◄► Move ◆ Adjust ⊞ Enter ↺ Return		

- • **On Time** : Select hour, minute, and **Inactivate/Activate**.
(To activate timer with the setting satisfied, set to
Activate.)
- • **Off Time** : Select hour, minute, and **Inactivate/Activate**.
(To activate timer with the setting satisfied, set to
Activate.)
- • **Volume** : Select the required volume level.
- •**Antenna** : You can select either Air or Cable when the TV
turns on automatically.
- • **Channel** : You can select the channel to be played when
the TV turns on automatically.
- • **Repeat** : Select **Once**, **Everyday**, **Mon~Fri**, **Mon~Sat**, or
Sat~Sun, **Manual**.

➢ When **Manual** is selected, Press the ► button to
select the desired day of the week. Press the **ENTER**
button over the desired day and the mark (✓) will
appear.

➢ You can set the hour, minute, directly by pressing the number buttons on the remote control.

☛ **Auto Power Off**
When you set the timer **On**, the TV will eventually turn off, if no controls are operated for 3 hours
after the TV was turned on by timer. This function is only available in timer **On** mode and prevents
overheating, which may occur if a TV is on for too long time.

Change PIN / Parental Lock / Subtitle / Teletext Language / Preference / Melody / Entertainment / Energy Saving / PIP

1   Press the **MENU** button to display the menu.

2   Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

3   Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.

Available options: **Change PIN, Parental Lock, Subtitle, Teletext Language, Preference, Melody, Entertainment, Energy Saving, PIP**

4   When you are satisfied with your setting, press the **ENTER** button.

5   Press the **EXIT** button to exit.
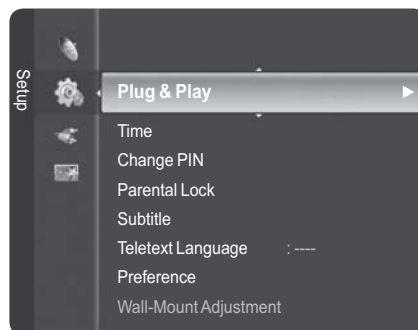
◆ **Change PIN**

Press the ▲ or ▼ button to select Change PIN, then press the **ENTER** button. The **Enter PIN** is displayed. Enter your current 4-digit PIN code by using the numeric buttons (0~9).

➢ The **Enter New PIN** and **Confirm New PIN** is displayed.

➢ If you forget the PIN code, press the remote control buttons in the following sequence, which resets the PIN to 0-0-0-0:**POWER** (Off), **MUTE**, 8, 2, 4, **POWER** (On).

◆ **Parental Lock**

This feature allows you to prevent unauthorized users, such as children, from watching unsuitable programmes by a 4-digit PIN (Personal Identification Number) code that is defined by the user. The on-screen menu will instruct you to assign a PIN code (you can change it later, if necessary).

➢ The default PIN code for a new TV set is 0000.

◆ **Subtitle**

➢ **Subtitle : On / Off**

－ You can select these options simply by pressing the **SUBT.** button on the remote control.

➢ **Mode : Normal** (basic subtitle) / **Hard of hearing** (subtitle for a hearing-impaired person)

－ If the programme you are watching does not support the **Hard of hearing** function, **Normal** automatically activates even though **Hard of hearing** mode is selected.

➢ **Subtitle Language :** You can change the default value for subtitle languages.
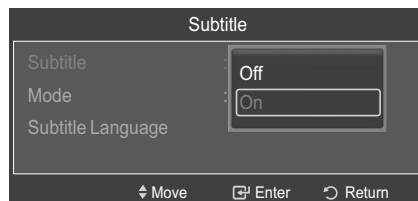
◆ **Teletext Language**

You can set the Teletext language by selecting the language type.

➢ English is the default in cases where the selected language is unavailable in the broadcast.

➢ While viewing a programme, the subtitle can be selected While viewing a programme, audiolanguages can be selected.

◆ **Preference**
This menu consists of 6 sub-menus:
Primary Audio Language, Secondary Audio Language,
Primary Subtitle Language, Secondary Subtitle
Language, Primary Teletext Language, and **Secondary**
Teletext Language (depending on the Country).
Using this feature, users can select one of the languages
(English, German, Italian, Swedish, French, Welsh, Gaelic,
Irish, Danish, Finnish, Spanish, Dutch). The language
selected here is the default when the user selects a
channel.

> ➤ Press the ▲ or ▼ button to select required menu
  (Primary Audio Language, Secondary Audio
  Language, Primary Subtitle Language, Secondary
  Subtitle Language, Primary Teletext Language,
  or Secondary Teletext Language), then press the
  ENTER button.
  The options of the selected menu are displayed.
> ➤ Press the ▲ or ▼ button to select required
  option **(Bulgarian, Croatian, Czech, Danish,**
  Dutch, English, Finnish, French,Gaelic,
  German,Greek,Hungarian, Irish, Italian, Norwegian,
  Polish, Portuguese, Romanian, Russian, Serbian,
  Spanish, Swedish,Turkish, Welsh), then press the
  ENTER button.
  - If you change the language setting, the **Audio Language**, **Subtitle Language**, and the
    Teletext Language of the **Language** menu are automatically changed to the selected
    language.
  - The **Audio Language**, **Subtitle Language**, and the **Teletext Language** of the **Language**
    menu show a list of languages supported by the current channel and the selection is
    highlighted. If you change this language setting, the new selection is only valid for the current
    channel. The changed setting does not change the setting of the **Primary Audio Language**,
    Primary Subtitle Language, or the **Primary Teletext Language** of the **Preference** menu.
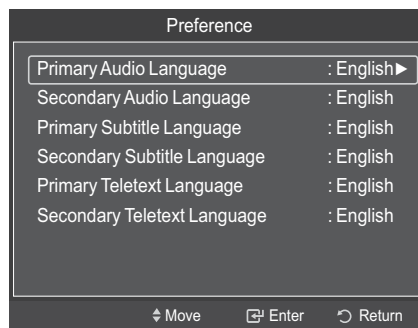
◆ **Melody**: **Off/Low/Medium/High**
The TV power on/off melody sound can be adjusted.

> ➤ The Melody does not play
  - When no sound is output from the TV because the **MUTE** button has been pressed.
  - When no sound is output from the TV because the **– ◢** (Volume) button has been pressed.
  - When the TV is turned off by **Sleep Timer** function.

◆ **Entertainment**: **Off/Sports/Cinema/Game**
Entertainment mode enables you to select the optimal display and sound for sports, cinema and
games.
  - **Off:** Switches the **Entertainment** function off.
  - **Sports:** Provides the optimal picture and sound quality for sports.
  - **Cinema:** Provides the optimal picture and sound quality for movie watching.
          You can experience a richer picture and enhanced sound.
  - **Game:** Provides the optimal picture and sound quality for games. This mode accelerates the
          playing speed when using an external game console connected to the TV.
> ➤ If you set any of the three **Entertainment** modes to **On**, the settings will be locked and can not
  be adjusted. If you want to make Picture and Sound mode adjustments, the Entertainment mode
  must be turned off.
> ➤ The Entertainment settings are saved for each input source.

Setup	
	Preference ▶
	Wall-Mount Adjustment
	Melody
	Entertainment
	Energy Saving
	PIP
	SW Upgrade

Preference	
Primary Audio Language	: English▶
Secondary Audio Language	: English
Primary Subtitle Language	: English
Secondary Subtitle Language	: English
Primary Teletext Language	: English
Secondary Teletext Language	: English

| ‡ Move | ↵ Enter | ↻ Return |

◆ **Energy Saving**: **Off/Low/Medium/High**
This feature adjusts the screen brightness depending on the surrounding lighting conditions.
  - **Off**: Switches off the Energy Saving mode.
  - **Low**: Operates in standard mode regardless of the surrounding illumination.
  - **Medium**: Enters Medium power saving mode regardless of the surrounding illumination.
  - **High**: Enters maximum power saving mode regardless of the surrounding illumination.

Easy Setting
1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **Energy Saving**.
3 Press the ◄ or ► button to select the required option.
4 Press the **EXIT** or **TOOLS** button to exit.
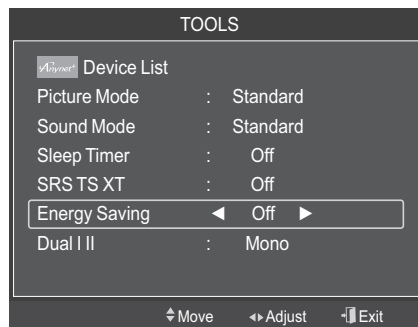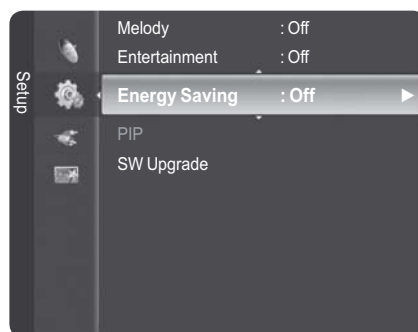
◆ **PIP (Picture in Picture):**
You can display a sub picture within the main picture.
In this way you can watch TV programme or monitor the video input from any connected devices.
  - **PIP: On/Off**
    You can activate or deactivate the PIP function.

Table of PIP Settings

Main Picture	Sub Picture
Component1,2 HDMI1, HDMI2/DVI, HDMI3 PC	TV, AV1, AV2

  - **Source**: TV, AV1, AV2
    You can select a source of the sub-picture.
  - **Size**: ⬜ / ⬜ / ⬜
    You can select a size of the sub-picture.
    ➢ If main picture is in **PC** and **Component** mode, **Size** is not available.
  - **Position**: ⬛ / ⬛ / ⬛ / ⬛
    You can select a position of the sub-picture.
    ➢ In Double(⬜, ⬜) mode, **Position** cannot be selected.
  - **Channel**
    You can select only analog TV broadcasts on the PIP screen (sub-picture)

Easy Setting
1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **PIP**, then press the **ENTER** button.

Setup
Melody	: Off
Entertainment	: Off
Energy Saving	**: Off** ►
PIP	
SW Upgrade	

TOOLS
Device List		
Picture Mode	:	Standard
Sound Mode	:	Standard
Sleep Timer	:	Off
SRS TS XT	:	Off
Energy Saving	◄	Off ►
Dual I II	:	Mono

‡Move ◄►Adjust Exit

Setup
Entertainment	: Off
Energy Saving	: Off
PIP	►
SW Upgrade	

PIP
PIP	:	Off
Source	:	On
Size	:	
Position	:	
Channel	: ATV 1	

‡Move Enter Return

TOOLS
Device List		
Picture Size	:	16 : 9
Picture Mode	:	Standard
Sound Mode	:	Custom
Sleep Timer	:	Off
PIP		
Energy Saving	:	Off
Auto Adjustment		

‡Move ◄►Adjust Exit

Upgrading the Software

Samsung may offer upgrades for your TV's firmware in the future. Please contact the Samsung call center at 3260 SAMSUNG to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port.

1   Insert a USB drive containing the firmware upgrade into the USB Upgrade Port on the side of the TV.

TV side Panel

HDMI IN 3

WISELINK

AV IN 2

USB Drive
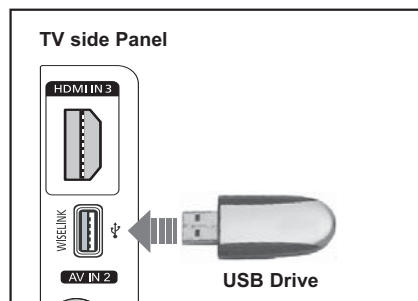
2   Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

3   Press the ▲ or ▼ button to select **SW Upgrade**, then press the **ENTER** button.

		Energy Saving	: Off
		PIP	
Setup		**SW Upgrade**	▶
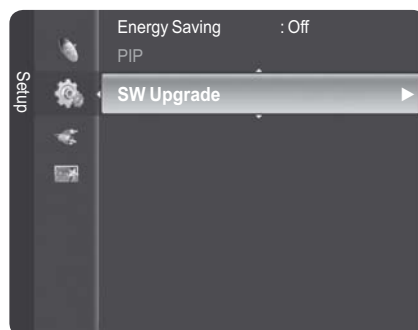
4   Press the ▲ or ▼ button to select "BY USB", "BY Channel" or "Standby Mode Upgrade". Press the **ENTER** button.

◆   **BY USB** :
- Preset : Insert a USB drive containing the firmware upgrade into TV.

➢ Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will turn off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete. When software is upgraded, video and audio settings you have made will return to their default (factory) settings. We recommend you write down your settings so that you can easily reset them after the upgrade.

◆   **BY Channel** :
Upgrades the software using the broadcasting signal.

◆   **Standby Mode Upgrade** :
To continue software upgrade with master power on, Select On by pressing the ▲ or ▼ button.
45 minutes after entering standby mode, a manual upgrade is automatically conducted. Since the power of the unit is turned on internally, the screen may be on slightly for the LCD product. This phenomenon may continue for more than 1 hour until the software upgrade is completed.

◆   **Alternative Software :**
To display the software version information.

Software Upgrade	
Current Version	2008/01/01_000075
BY USB	▶
BY Channel	
standby Mode Upgrade	: off
Alternative Software	: --/--/--_--------

‡ Move   Enter   ⟳ Return
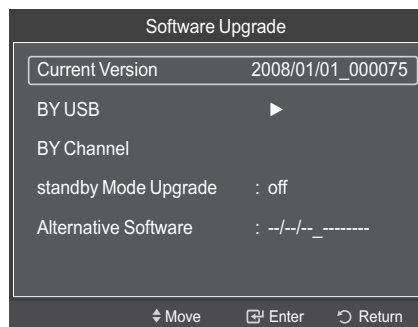
Setting up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1   Right click the mouse on the Windows Desktop, then click on **Properties**.
    The **Display Properties** will be displayed.
2   Click on **Settings tab**, then set the Display Mode with reference to the Display Modes Table. You do not need to change the Colours settings.
3   Click on **Advanced**. A new settings dialog box will be displayed.
4   Click on the **Monitor** tab, then set the **Screen refresh rate** with reference to the Display Modes Table. Set the Vertical Frequency and Horizontal Frequency individually if you can do so instead of setting the **Screen refresh rate**.
5   Click on **OK** to close the window, then Click on **OK** button to the **Display Properties** window.Automatic re-booting may commence at this moment.

Input Mode (PC)

Both screen position and size will vary depending on the type of PC monitor and its resolution. The table below shows all of the display modes that are supported:

D-Sub Input

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 x 350	31.469	70.086	25.175	+ / -
	720 x 400	31.469	70.087	28.322	- / +
VESA	640 x 480	31.469	59.940	25.175	- / -
	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	800 x 600	48.077	72.188	50.000	+ / +
	800 x 600	46.875	75.000	49.500	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ / +
	1280 x 1024	63.981	60.020	108.000	+ / +
	1280 x 1024	79.976	75.025	135.000	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +
	1600 x 1200	75.000	60.000	162.000	+ / +
CVT	1920 x 1080RB	66.587	59.934	138.500	+ / -

HDMI/DVI Input

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
VESA	640 x 480	31.469	59.940	25.175	- / -
	800 x 600	37.879	60.317	40.000	+ / +
	1024 x 768	48.363	60.004	65.000	- / -
	1280 x 1024	63.981	60.020	108.000	+ / +
	1360 x 768	47.712	60.015	85.500	+ / +
	1600 x 1200	75.000	60.000	162.000	+ / +
CEA	1920 x 1080p	67.500	60.000	148.500	+ / +

◆ **When using an HDMI/DVI cable connection, you must use the HDMI IN 2 jack.**
◆ The interlace mode is not supported.
◆ The set might operate abnormally if a non-standard video format is selected.
◆ Separate and Composite modes are supported. SOG is not supported.

Setting the PC

➢ Preset to the **PC** mode by pressing the **SOURCE** button.

1 Press the **MENU** button to display the menu.

2 Press the ▲ or ▼ button to select **Picture**, then press the **ENTER** button.

3 Select the required option by pressing the ▲ or ▼ button,
then press the **ENTER** button.

4 When you are satisfied with your setting, press the **ENTER** button.

5 Press the **EXIT** button to exit.

◆ **Auto Adjustment :**
Auto adjustment allows the PC screen to self-adjust to the incoming PC video signal.
The values of fine, coarse and position are adjusted automatically.
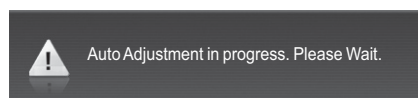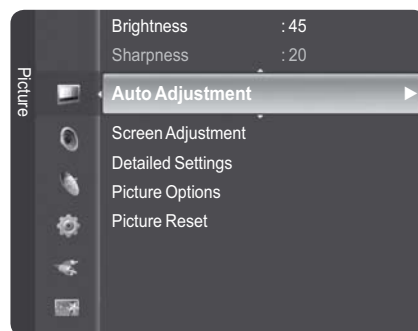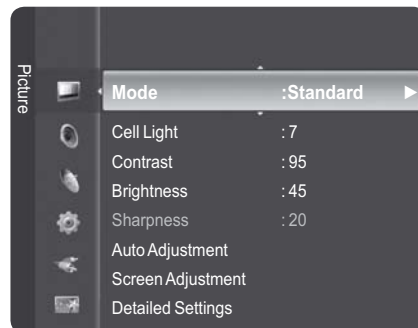
Easy Setting
1 Press the **TOOLS** button on the remote control.
2 Press the ▲ or ▼ button to select **Auto Adjustment**, then press the **ENTER** button.

Picture		
	Mode	**:Standard** ▶
	Cell Light	: 7
	Contrast	: 95
	Brightness	: 45
	Sharpness	: 20
	Auto Adjustment	
	Screen Adjustment	
	Detailed Settings	

Picture		
	Brightness	: 45
	Sharpness	: 20
	Auto Adjustment	▶
	Screen Adjustment	
	Detailed Settings	
	Picture Options	
	Picture Reset	

⚠ Auto Adjustment in progress. Please Wait.

TOOLS
Anynet Device List
Picture Mode : Standard
Sound Mode : Custom
Sleep Timer : Off
SRS TS XT : Off
PIP
Energy Saving : Off
Auto Adjustment
↕ Move   ⏎ Enter   ⏏ Exit

◆ **Screen Adjustment: Coarse/Fine/Position/Image Reset**
  - **Coarse/Fine**

The purpose of picture quality adjustment is to remove or reduce picture noise.
If the noise is not removed by Fine-tuning alone, then adjust the frequency as best as possible (coarse) and Fine-tune again.
After the noise has been reduced, re-adjust the picture so that it is aligned on the center of screen.

1   Press the ▲ or ▼ button to select **Coarse** or **Fine**, then press the **ENTER** button.

2   Press the ◄ or ► button to adjust the screen quality, vertical stripes may appear or the picture may be blurry. Press the **ENTER** button.
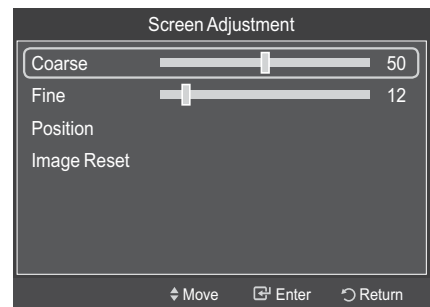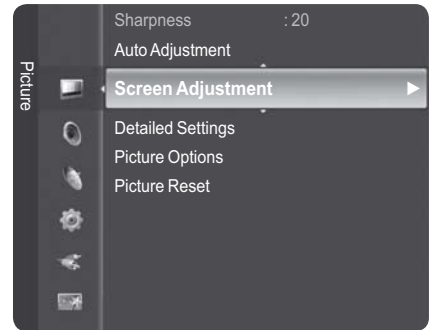
  - **Position**

Adjust the PC's screen positioning if it does not fit the TV screen.
1   Adjust the position by pressing the ▲/▼/◄/► button.
2   Press the **ENTER** button.
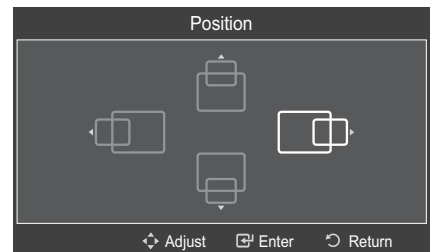
  - **Image Reset**

You can replace all image settings with the factory default values.

Picture

Sharpness	: 20
Auto Adjustment	
Screen Adjustment	►
Detailed Settings	
Picture Options	
Picture Reset	

Screen Adjustment

Coarse	50
Fine	12
Position	
Image Reset	

‡ Move   Enter   ↺ Return

Position

↔ Adjust   Enter   ↺ Return

⚠ Image Reset is completed.
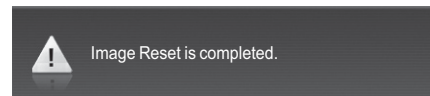
Using the WISELINK Function

This function enables you to view and listen to photo (JPEG) and audio files (MP3) saved on a USB Mass Storage Class (MSC) device.

TV side Panel

USB Drive

1 Press the **POWER** button on the remote control or front panel.

➢ The TV is powered on.

2 Connect a USB device containing JPEG and/or MP3 files to the WISELINK jack (USB jack) on the side of the TV.

➢ If you enter the WISELINK mode with no USB device connected the message "No external storage device found. Check the connection status." will appear. In this case, insert the USB device, exit the screen by pressing the **W.LINK** button on the remote control and enter the WISELINK screen again.

➢ MTP (Media Transfer Protocol) is not supported.

➢ The file system only supports FAT16/32 (The NTFS file system is not supported).

➢ Certain types of USB Digital camera and audio devices may not be compatible with this TV.

➢ Wiselink only supports USB Mass Storage Class devices (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)

➢ Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB Compatibility problem.

➢ Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.

➢ Do not disconnect the USB device while it is loading.

➢ MSC supports MP3 and JPEG files, while a PTP device supports JPEG files only.

➢ The sequential jpeg format is supported.

➢ Photo and audio files must be named in English, French or Spanish. If not, the files can not be played. Change the file names to English, French or Spanish if necessary.

➢ The higher the resolution of the image, the longer it takes to display on the screen.

➢ The maximum supported JPEG resolution is 15360x8640 pixels.

➢ For unsupported or corrupted files, the "Not Supported File Format" message is displayed.
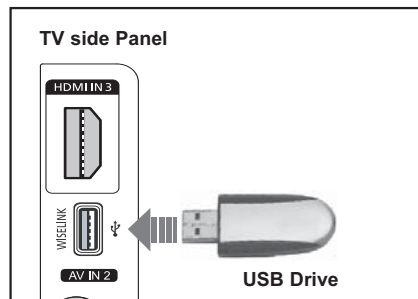
Using the Remote Control Button in WISELINK Menu

Button	Operations
	Move the cursor and select an item.
	Select the currently selected item. During a Slide Show or Music Play: - Pressing the **ENTER** button during play pauses the play. - Pressing the **ENTER** button during pause resumes the play.
	Play or pause the Slide Show or Music file.
RETURN	Return to the previous menu.
TOOLS	Run various functions from the Photo and Music menus.
	Stop the current slide show or Music file.
	Jump to previous group / Jump to next group.
INFO	Show file information.
W.LINK	Exit WISELINK mode.
P	Stop WISELILNK mode and Returns to TV mode.
EXIT	Stop the current function and return to the WISELINK main menu.

Using the WISELINK Menu

1 Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.

2 Press the ▲ or ▼ button to select **WISELINK**, then press the **ENTER** button.

   ➢ The **WISELINK** menu is diplayed.

WISELINK		851.98MB/995.00MB Free
		USB ▭▭▭▭▭
	PHOTO	
Photo	Music	Setup
USB		■ Device ↺ Return
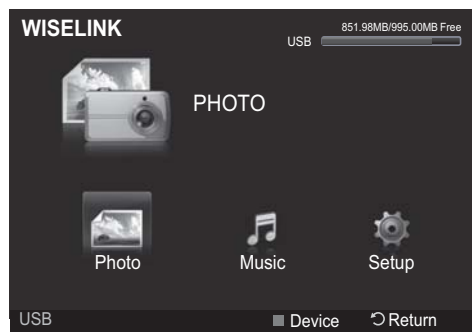
🖰 Press the **W.LINK** button on the remote control to display the **WISELINK** menu.
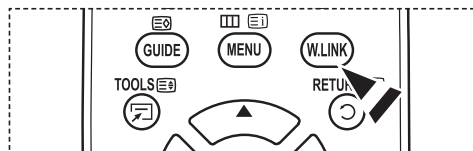
🖰 Press the **SOURCE** button on the remote control repeatedly to select **USB**, then press the **ENTER** button.
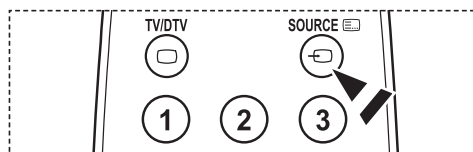
3 Press the Red button, then press the ▲ or ▼ button to select the corresponding USB Memory Device. (i.e. WiseLink Pro does not support the use of a usb hub.) Press the **ENTER** button.

   ➢ This function differs depending on the USB Memory Device connected to TV.

   ➢ The selected USB device name appears at the bottom left of the screen.

4 Press the ◄ or ► button to select an icon (Photo, Music, Setup), then press the **ENTER** button.

   ➢ To exit **WISELINK** mode, press the **W.LINK** button on the remote control.

Using the Photo (JPEG) List

This menu shows Photo files saved on an USB memory device.

Photo List

1. Press the **W.LINK** button on the remote control to display the **WISELINK** menu.
2. Press the ◄ or ► button to select **Photo**, then press the **ENTER** button.

   ➢ This menu only shows files whose file extension is jpg. Files of other formats such as bmp or tiff will not be displayed.

   ➢ Photo files are displayed.

   ➢ Press the ⏵(Play)/**ENTER** button to start the **Slide Show**.

   ➢ When moving to a photo, loading may take a few seconds. At this point, the loading icon will appear at the screen.

   ➢ It takes some time to load photo files as Thumbnail images.

   ➢ Photos without EXIF information may not be displayed as thumbnail images in the **PHOTO LIST** depending on the picture quality and resolution.

   ➢ To move to the previous / next group, press the ⏪(REW) or ⏩(FF) button.

Screen Display

1. **Currently selected photo**
   Shows the currently selected photo.
2. **Photo Information Window**
   Shows information about the currently selectedphoto.
   You can change the **Color**, **Compositon**, and **Favorite**.
3. **Current Sort Standard**
   Press the ▲ or ▼ button to change the standard for sorting photos. (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)
   The item that is selected as the sorting standing is highlighted in the Photo Information Window.
4. **View Groups**
   Shows the sorting groups.
   The sorting group including the currently selected photo is highlighted.
5. **Current Device**
   Shows the currently selected device name. Press the Red.
6. **Item Selection Information**
   Shows the number of photos that are selected by pressing the Yellow button.
7. **Help Items**
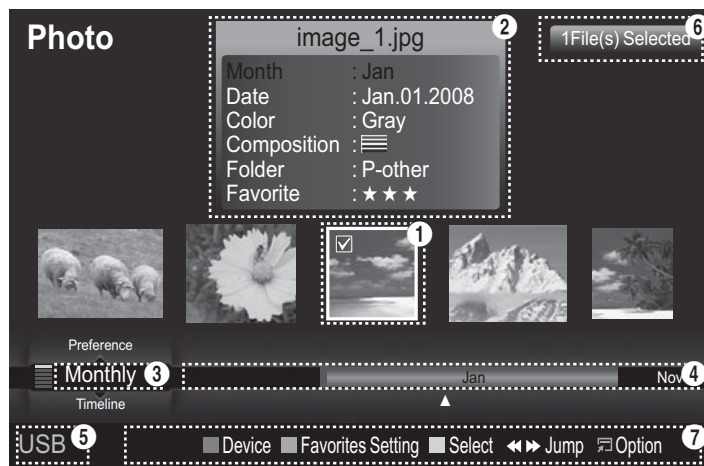
- **Red(Device) button**: Selects a connected device.
- **Green(Favorites Setting) button**: Changes the favorites setting for the selected photo. Press this button repeatedly until the relevant value appears.
- **Yellow(Select) button**: Selects photos from the photo list. Selected photos are marked with a symbol (✔) on the left.
- **TOOLS(Option) button**: Displays the **Slide Show**, **Play Current Group**, **Delete**, **Change Group info** (in Color or Composition group),**Information** or **Safe Remove** menus.
- ⏪⏩ **Jump**: Jumps to the previous sorting group / Jumps to the next sorting group.

Sorting Photo List

You can sort photos in the Photo List by a particular standard.

1 Press the **W.LINK** button on the remote control to display the **WISELINK** menu.

2 Press the ◀ or ▶ button to select **Photo**, then press the **ENTER** button.
➢ Photo files are displayed.

3 Press the ▲ or ▼ button to select a sorting standard. (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)

4 Press **Enter** to start the **Slide Show** in the order selected by the user.
➢ Wiselink identifies the color and composition of images and groups them accordingly by analyzing images on the USB device.
➢ The Composition and Color information extracted from a photo file may be different from what you selected.
➢ Photo information is automatically set. You can change the Color, Composition, and Favorite.
➢ Photos for which information cannot be displayed are set as Unclassified.
➢ PTP does not support folder sort mode.
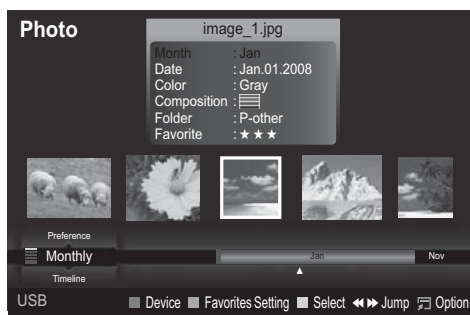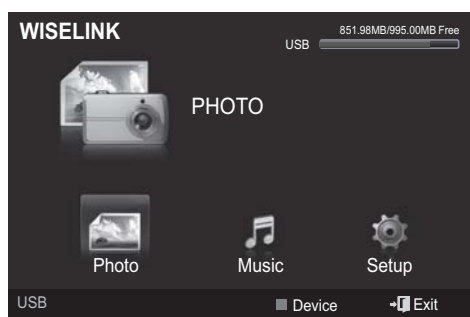
Monthly

Sorts photos by month.

➢ It sorts and shows photos in the file by month. It sorts only by month (from January to December) regardless of year.
1 Select **Monthly** as the sorting standard in the Photo List.
2 Press the ◀ or ▶ buttons to select from the sublist of files grouped by Month.
➢ To move to the previous / next group, press the ⏪(REW) or ⏩(FF) button.
3 Press the **TOOLS** button. Press the ▲ or ▼ button to highlight **Play Current Group**.
4 Press **ENTER** button to play the the selected group of photo files from the sublist.
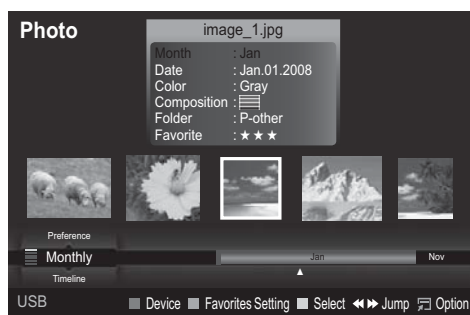
Timeline

Sorts photos by time.

➣ It sorts and shows photos by date. It sorts by year and month from the earliest photo.

1 Select **Timeline** as the sorting standard in the Photo List.

2 Press the ◄ or ► buttons to select from the sublist of files grouped by Timeline.

➣ To move to the previous / next group, press the ⏪(REW) or ⏩(FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to highlight **Play Current Group**.

4 Press **ENTER** button to play the the selected group of photo files from the sublist.

Photo image_1.jpg
Month : Jan
Date : Jan.01.2008
Color : Gray
Composition :
Folder : P-other
Favorite : ★ ★ ★

Monthly
Timeline   Jan   Nov
Color
USB   ■ Device ■ Favorites Setting ■ Select ◄◄►► Jump ⊟ Option
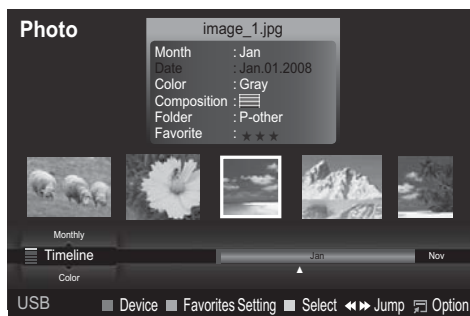
Color

Sorts photos by color.

➣ You can change the photo color information.

1 Select **Color** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of files grouped by color.

➣ To move to the previous / next group, press the ⏪(REW) or ⏩(FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

**4** Press **ENTER** to play the selected group of photo files from the sublist.

Photo image_1.jpg
Month : Jan   Silde Show
Date : Jan.01.2   Play Current Group
Color : Gray   Delete
Composition :   Change Group Info
Folder : P-other
Favorite : ★ ★ ★   ▼

Timeline
Color
Composition
USB   ■ Device ■ Favorites Setting ■ Select ◄◄►► Jump ⊟ Option
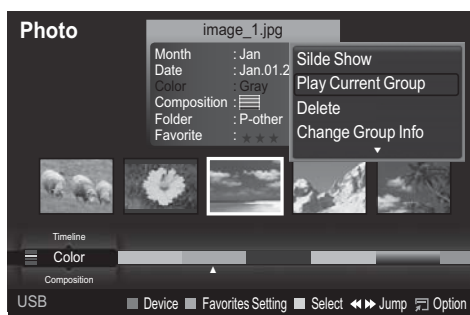
Changing the color information

1 Select **Color** as the sorting standard in the Photo List and press the ◄ or ► button to select a photo.

➣ **Changing the information of multiple files**
Press the ◄ or ► button to select the desired photo in the Photo list. Then press the yellow button.
Repeat the above operation to select multiple photos.
The ✔ mark appears to the left of the selected photo.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Play Current Group**.
Press the **ENTER** button.

4 Press the ◄ or ► button to select the desired option, then press the **ENTER** button.

➣ The group information of the current file is updated and the file is moved to the new group.

➣ **Color** options: Red, Yellow, Green, Blue, Magenta, Black, Gray, Unclassified.

Photo image_1.jpg
Month : Jan
Date : Jan.01.2008
Color : Gray
Composition :
Folder : P-other
Favorite : ★ ★ ★

Timeline
Color
Composition
USB   ■ Device ■ Favorites Setting ■ Select ◄◄►► Jump ⊟ Option
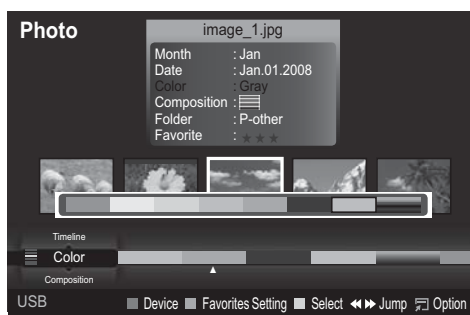
Composition

Sorts photos by composition.

➣ You can change the compositional information of photos.

1 Select **Composition** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of files grouped by compositon.

    ➣ To move to the previous / next group, press the ⬅ (REW) or ➡ (FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.
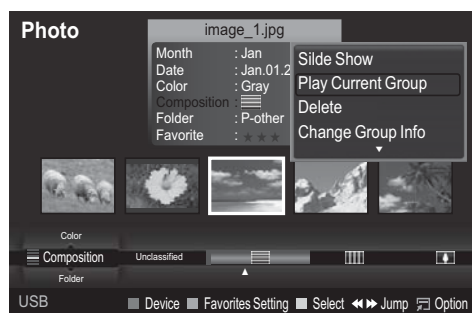
Changing the composition information

1 Select **Composition** as the sorting standard in the Photo List and press the ◄ or ► button to select a photo.

    ➣ **Changing the information of multiple files**
    Press the ◄ or ► button to select the desired photo in the Photo list. Then press the yellow button.
    Repeat the above operation to select multiple photos.
    The ✔ mark appears to the left of the selected photo.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Play Current Group**.
    Press the **ENTER** button.

4 Press the ◄ or ► button to select the desired option, then press the **ENTER** button.

    ➣ The group information of the current file is updated and the file is moved to the new group.

    ➣ **Composition** options: ≡ (horizontal), ▥ (vertical), ▮ (object), ▣ (perspective), ▦ (pattern), Unclassified
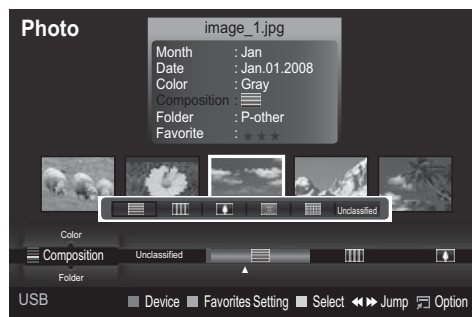
Folder

Sorts photos by folder.

> ➤ If there are many folders in USB, the photos files are shown in order in each folder. The photo file in the Root folder is shown first and the others are shown in alphabetical order by name.

1 Select **Folder** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of files grouped by folder.

> ➤ To move to the previous / next group, press the ◄◄(REW) or ►►(FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.

Preference

Sorts photos by preference. (Favorite)

> ➤ You can change the photo preferences.

1 Select **Preference** as the sorting standard in the Photo List.

2 Press the ◄ or ► button to select from the sublist of files grouped by preference.

> ➤ To move to the previous / next group, press the ◄◄(REW) or ►►(FF) button.

3 Press the **TOOLS** button. Press the ▲ or ▼ button to select **Play Current Group**.

4 Press **ENTER** to play the selected group of photo files from the sublist.

Changing the Favorites setting

1 Press the ◄ or ► button to select the desired photo in the Photo list.

> ➤ **Changing the information of multiple files**
> Press the ◄ or ► button to select the desired photo in the Photo list. Then press the yellow button.
> Repeat the above operation to select multiple photos.
> The ✔ mark appears to the left of the selected photo.

2 Press the Green button repeatedly until the desired setting appears.

> ➤ Favorites settings change completed.

> ➤ **Favorite** options: ★★★, ★★★, ★★★, ★★★

> ➤ Users can select the number of stars (up to 3) according to their preference.

> ➤ The stars in the Favorite options have no effect on priority. They are simply for grouping purposes. For example, files stored in the 3 star option do not have priority over files saved in the 1 star option.
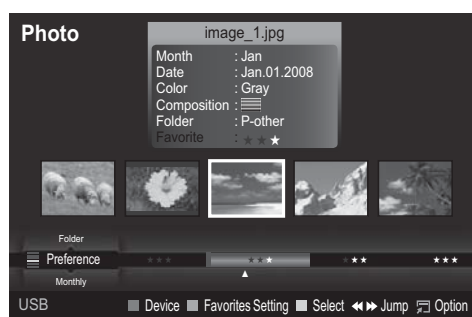
Deleting the Photo files

1   Press the ◄ or ► button to select the desired photo in the Photo list.

2   Press the **TOOLS** button.

3   Press the ▲ or ▼ button to select **Delete**, then press the **ENTER** button.
      ➤ The **Selected File(s) : Delete this file?** message appear.

4   Press the ◄ or ►button to select **OK**, then press the **ENTER** button.
      ➤ The photo is deleted.
      ➤ When a read-only file is deleted, the **"Read-only file(s). Delete the file(s)?"** message appear.
      ➤ If you select **Cancel**, the deletion is cancelled.

5   To exit **WISELINK** mode, press the **W.LINK** button on the remote control.
      ➤ You cannot remove the PTP-connected digital camera picture files.
      ➤ While removing files, don't remove the USB memory device.
      ➤ You cannot recover a deleted photo file.

Deleting Multiple Photos

1   Press the ◄ or ► button to select the desired photo in the Photo list.
    Then press the yellow button.
      ➤ Repeat the above operation to select multiple photos.
      ➤ The (✔) mark appears to the left of the selected photo.

2   Press the **TOOLS** button.

3   Press the ▲ or ▼ button to select **Delete selected File**, then press the **ENTER** button.
      ➤ The **Selected File(s)**: **image... 2 File(s) Delete the selected file(s)?** message appear.

4   Press the ◄ or ► button to select **OK**, then press the **ENTER** buttons.
      ➤ The selected photos are deleted.
      ➤ If you select **Cancel**, the deletion is cancelled.

5   To exit **WISELINK** mode, press the **W.LINK** button on the remote control.
      ➤ You cannot remove the read-only files from the selected ones.
      ➤ You cannot recover a deleted photo file.

Viewing the Photo Information

The photo file information including the order of the file in the current directory, the name, the size, the resolution, the date modified and the path is displayed.

1 Press the ◄ or ► button to select the desired photo in the Photo list.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.
➢ The information on the selected photo appears.

⌨ Press the **INFO** button to viewing the information.
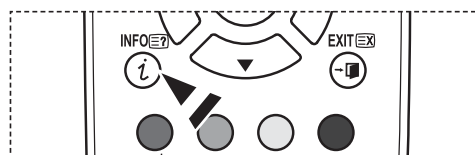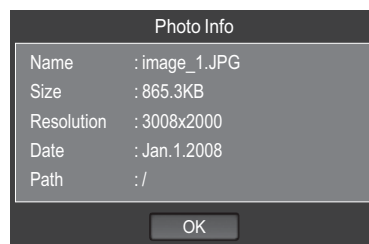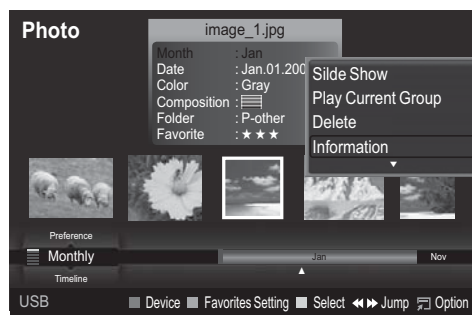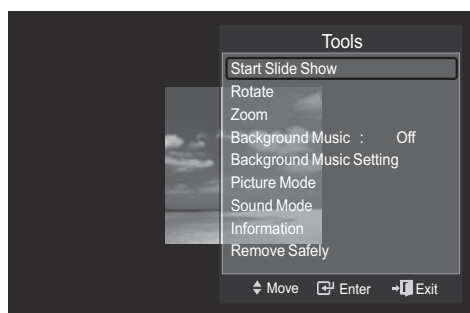
Viewing a Photo or Slide Show

Viewing a Slide Show

1 Press the **W.LINK** button on the remote control to display the **WISELINK** menu.

2 Press the ◄ or ► button to move to **Photo**, then press the **ENTER** button.
➢ Photo files are displayed.

3 Press the ◄ or ► button to select the desired photo in the Photo list.

4 Press the **TOOLS** button.

5 Press the ▲ or ▼ button to select **Slide Show**, then press the **ENTER** button.
➢ All files in the photo list will be used for the Slide Show.

➢ During the slide show, files are displayed in order from the currently shown file.
➢ The Slide Show progresses in the order sorted in the Photo list.
➢ Music files can be automatically played during the Slide Show if the **Background Music** is set to **On**. (Refer to page 54)
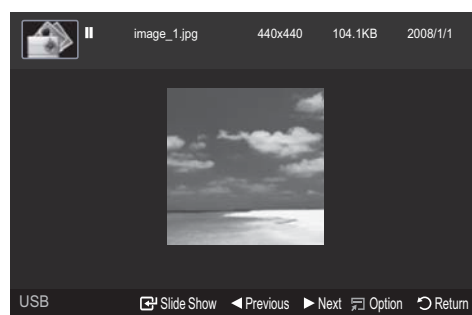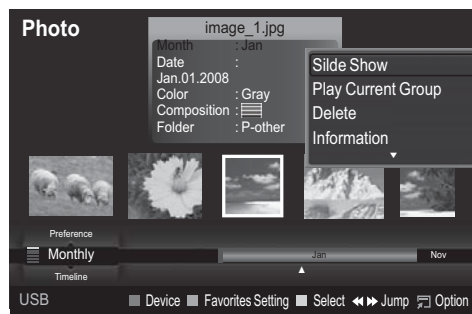
While a photo list is displayed, press the ⊙(Play)/ **ENTER** button on the remote control to start slide show.
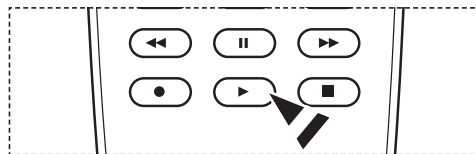
To perform a SlideShow with only the selected files

1   Press the ◄ or ► button to select the desired photo in the Photo list.
    Then press the yellow button. Repeat the above operation to select multiple photos.
    ➢ The mark appears to the left of the selected photo.
    ➢ If you select one file, the SlideShow will not be performed.

2   Press the ⊙(Play)/ **ENTER** button
    ➢ The selected files will be used for the Slide Show.
    ➢ If you have selected files, only the selected files will be used for the Slide Show.

Playing current group

1   Press the ▲ or ▼ button to select a sorting standard. (**Monthly**, **Timeline**, **Color**, **Composition**, **Folder**, **Preference**)

2   Press the ◄ or ► button to select the desired photo in the Photo list.
    ➢ To move to the previous / next group, press the ⊙(REW) or ⊙(FF) button.

3   Press the **TOOLS** button.

4   Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button. Only the photos in the sorting group including the selected files will be used for the Slide Show.

5   To exit **WISELINK** mode, press the **W.LINK** button on the remote control.
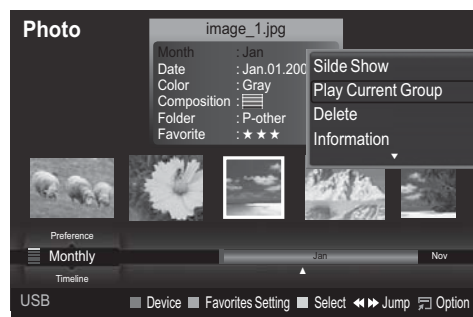
Slide show function information icon (Displayed at the top left of the screen).

Icon	Current OSD	Function
⊙	(Photo) SlideShow	Photo Slide Show is in progress.
⊙	Photo Pause	You can pause a SlideShow and Music by pressing the ⊙ (pause) / **ENTER** button on the remote control during a Slide Show. To resume the SlideShow, press the ⊙(play) / **ENTER** button on the remote control again.

Continued...

Viewing a photo

1   Press the W.LINK button on the remote control to display the **WISELINK** menu.

2   Press the ◄ or ► button to move to **Photo**, then press the **ENTER** button.
    ➢ Photo files are displayed.

3   Press the ◄ or ► button to select the desired photo in the Photo list.
    Then Press the Yellow button to select only one file.

4   Press the **ENTER** button over a photo icon.
    ➢ The currently selected photo is displayed in full screen.

❚❚ image_1.jpg	440x440	104.1KB	2008/1/1

USB   Slide Show   ◄ Previous   ► Next   Option   Return
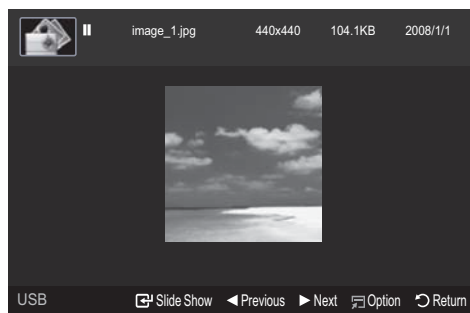
Using the option menu during a slide show (or Viewing a Photo)

1   During a slide show(or viewing a photo), Press the **TOOLS** button to set the option.

2   Press the ▲ or ▼ button to select the desired option. Then press the **ENTER** button.

Tools
Start Slide Show
Rotate
Zoom
Background Music :   Off
Background Music Setting
Picture Mode
Sound Mode
Information
Remove Safely
✦ Move   Enter   Exit

Start Slide Show (Stop Slide Show)
You can start or stop a Slide Show.
Press the ▲ or ▼ button to select **Start Slide Show** (or **Stop Slide Show**), then press the **ENTER** button.

Rotate

You can rotate images in full screen mode.
Press the ▲ or ▼ button to select **Rotate**, then press the **ENTER** button. Press the ◄ or ► button repeatedly to rotate the photo by the desired amount.

➢ Whenever you press the ◄ button, it rotates by 270˚, 180˚, 90˚, and 0˚.

➢ Whenever you press the ► button, it rotates by 90˚, 180˚, 270˚, and 0˚.

➢ If you have select **Zoom**, the Rotate function is deactivate

➢ The rotated file is not saved.

➢ The Rotating function information icon is displayed at the top right of the screen.
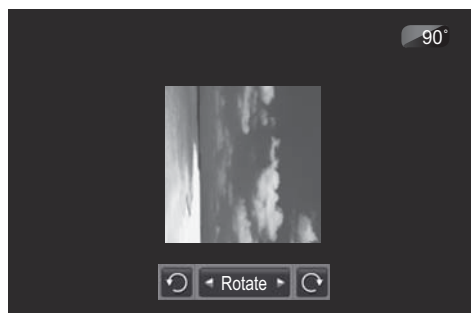
Icon	Current OSD	Function
0˚	Rotating (0°)	This rotates a photo to its original position
90˚	Rotating (90°)	This rotates a photo by 90 degrees
180˚	Rotating (180°)	This rotates a photo by 180 degrees
270˚	Rotating (270°)	This rotates a photo by 270 degrees

Zoom

You can zoom into images in full screen mode.
Press the ▲ or ▼ button to select **Zoom**, then press the **ENTER** button.
Press the ◄ or ► button repeatedly to increase or decrease the Zoom effect.
(x1 → x2 → x4)
To move the enlarged photo image, press the **ENTER** button, then press the ▲/▼/◄/► buttons.

➢ Note that when the enlarged picture is smaller than the original screen size, the location change function doesn't work.

➢ The enlarged file is not saved.

➢ If you have select **Rotate**, the **Zoom** function is deactivate

➢ Zoom function information icon is displayed at the top right of the screen.
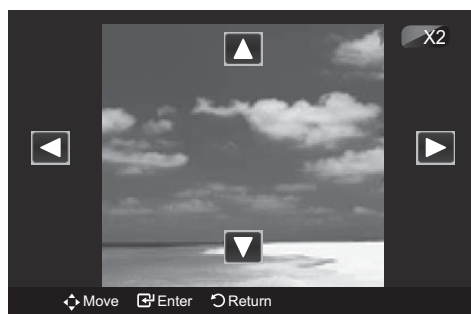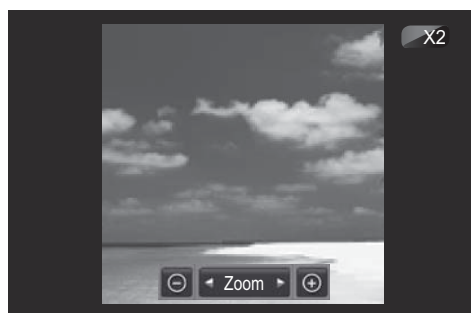
Continued...

Icon	Current OSD	Function
X1	Zoom (x 1)	Restore a photo to its original size.
X2	Zoom (x 2)	Zoom-into a photo at 2x.
X4	Zoom (x 4)	Zoom-into a photo at 4x.
▼	Pan Down	Pan down to view the lower part of a zoomed-in photo.
▲	Pan Up	Pan up to view the upper part of a zoomedin photo.
▶	Pan Right	Pan right to view the right side of a zoomed-in photo.
◀	Pan Left	Pan left to view the left side of a zoomed-in photo.

Slide Show Speed
You can select the slide show speed.
Press the ▲ or ▼ button to select **Slide Show Speed**.
Press the ◀ or ▶ button to select the desired option.
(Normal → Fast → Slow)

➢ You can select the **Slide Show** speed only during a slide show.

Tools
Stop Slide Show
Rotate
Zoom
Slide Show Speed ◀ Normal ▶
Background Music : Off
Background Music Setting
Picture Mode
Sound Mode
Information
▼
♦ Move ◀▶ Adjust →⬛ Exit
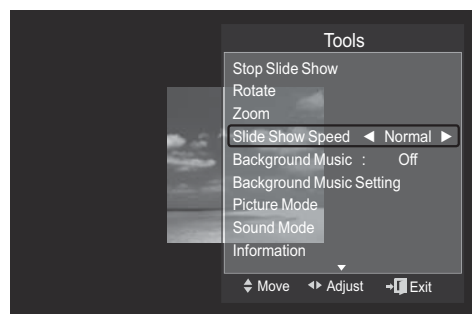
Background Music
If you set Background Music On, the background music will be played when viewing photos one by one or in a Slide Show.
Press the ▲ or ▼ button to select **Background Music**.
Press the ◀ or ▶ button to select **On** or **Off**.

➢ If you set **Background Music** to **On**, a screen appears immediately where you can set the **Background Music**.

- **On**: When the background music is available, if you select On, the music is played back. To use this feature, there must be music and photo files stored on the USB device.
- **Off**: Background music is not played.

Tools
Stop Slide Show
Rotate
Zoom
Slide Show Speed : Normal
Background Music ◀ Off ▶
Background Music Setting
Picture Mode
Sound Mode
Information
▼
♦ Move ◀▶ Adjust →⬛ Exit
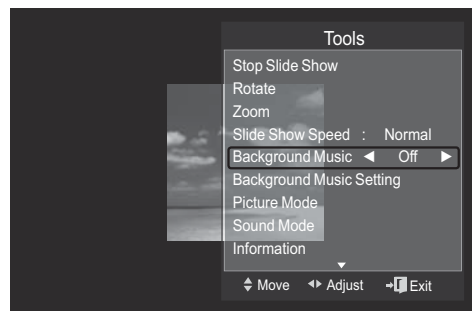
Background Music Setting
You can set the background music.
Press the ▲ or ▼ button to select **Background Music Setting**, then press the **ENTER** button.

➢ If you turn off the **Background Music**, even if the **Background Music Settings** have been set up, the background music will not be played.

➢ Loading music files is needed to change **BGM Mode**. Play music files in music category to load.

➢ **Background Music setting** menu is displayed.

Press the ◄ or ► button to select the desired **BGM**(Background music) mode. (Shuffle, Selected file, Mood)

  • **Shuffle**: Plays music fi les in random order.
  • **Selected file**: Plays a selected music fi le.
  • **Mood**: Plays music fi les of a particular mood only.

➢ **Selecting the background music file mood**
  Set **BGM Mode** to **Selected file** in the **Background Music Settings** menu.
  Press the ▲ or ▼ button to select **Selected Music File**, then press the **ENTER** button.
  Press the ▲ or ▼ button to select a music file, then press the yellow button.
  The (✔) mark appears to the left of the selected music.
  Repeat the above operation to select multiple music files.
  Press the **ENTER** button.

➢ **Selecting the background music file mood**
  Press the ◄ or ► button to set **BGM Mode** to Mood.
  Press the ▲ or ▼ button to select **BGM Mood**. Then press ◄ or ► button to select the desired BGM mood. Press the **ENTER** button.
  BGM Mode option: **Energetic**, **Rhythmical**, **Sad, Exciting**, **Calm**
  ➢ Wiselink identifies the mood of the music files and groups them accordingly be analyzing the music files on the USB device.

Tools
Stop Slide Show
Rotate
Zoom
Slide Show Speed : Normal
Background Music : Off
Background Music Setting
Picture Mode
Sound Mode
Information
◆ Move   🖾 Enter   ⤐ Exit

Background Music setting
BGM Mode   ◄   Shuffle   ►
BGM Mood   :   Calm
Select Music File
◆ Move   ◄► Adjust   🖾 Enter   ↻ Return

Background Music setting
BGM Mode   :   Selected file
BGM Mood   :   Calm
Select Music File
◆ Move   🖾 Enter   ↻ Return

Background Music setting
../Music/   2 File(s) Selected
📁 Music
☑ 01-glen_hansard_and_marketa_irglova-fallin...
☑ 02-marketa_irglova_and_glen_hansard-if_yo...
☐ 05-glen_hansard-lies
■ Select   ◆ Move   🖾 Enter   ↻ Return

Continued...

Picture Mode

You can set the Picture mode. (Refer to page 27)

Sound Mode

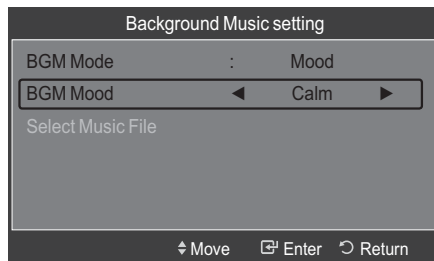You can set the Sound mode. (Refer to page 32)

Remove Safely

You can remove the device safely from the TV.
Press the ▲ or ▼ button to select **Safe Remove**, then
press the **ENTER** button.
The **Safely removing USB device.** message appears and
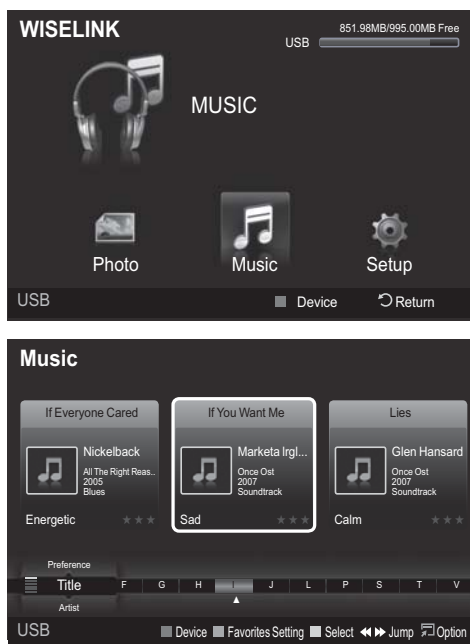then the **USB device can now be safely removed from
TV.** appears.
Remove the USB device from the TV.

Background Music setting		
BGM Mode	:	Mood
BGM Mood	◄	Calm ►
Select Music File		

‡ Move   Enter   ↻ Return

Using the Music List

**This menu shows MP3 files from among the files saved on a USB memory device.**

1 Press the **W.LINK** button on the remote control to
display the **WISELINK** menu.

2 Press the ◄ or ► button to select **Music**, then press
the **ENTER** button.

➢ Music files are displayed.

➢ Press the ⏵(Play)/ **ENTER** button over a music
icon to play the music.

➢ To select a file on the previous / next group, press
the ⏪(REW) or ⏩(FF) button.

WISELINK

851.98MB/995.00MB Free
USB

MUSIC

Photo   Music   Setup

USB   ■ Device   ↻ Return

Music

If Everyone Cared	If You Want Me	Lies
Nickelback	Marketa Irgl...	Glen Hansard
All The Right Reas..	Once Ost	Once Ost
2005	2007	2007
Blues	Soundtrack	Soundtrack
Energetic ★ ★ ★	Sad ★ ★ ★	Calm ★ ★ ★

Preference
Title   F   G   H   J   L   P   S   T   V
▲
Artist

USB   ■ Device ■ Favorites Setting ■ Select ⏪⏩ Jump ⧉ Option

Screen Display

1 Currently selected music
Shows the currently selected music.

2 Current Sort Standard
Press the ▲ or ▼ button to change the standard for sorting music files. (**Title**, **Artist**, **Mood**, **Genre**, **Folder**, **Preference**)

3 View Groups
Shows the sorting groups. The sorting group including the currently selected music file is highlighted.
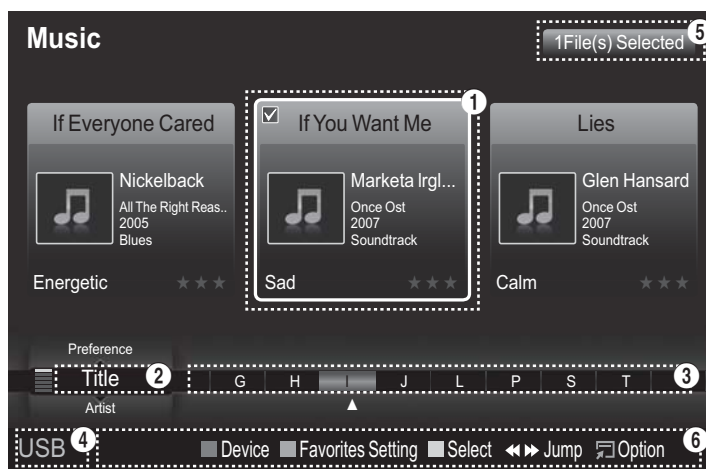
4 Current Device
Shows the currently selected device name.
Press the Red button to select a device.

5 Item Selection Information
Shows the number of music files that are selected by pressing the Yellow button.

6 Help Items

- **Red(Device) button**: Selects a connected device.
- **Green(Favorites Setting) button**: Changes the favorites setting for the selected music. Press this button repeatedly until the relevant value appears.
- **Yellow(Select) button**: Selects music files from the music list. Selected music files are marked with a symbol (✔) on the left.
- ◀◀ ▶▶ **Jump**: Jumps to the previous sorting group / Jumps to the next sorting group.
- **TOOLS(Option) button**: Displays the **Play Current Group**, **Delete**, **Change Group info**(in Mood group), **Information** or **Safe Remove** menus.

Sorting Music List

You can sort music files in the Music List by a particular standard.

1   Press the **W.LINK** button on the remote control to display the WISELINK menu.

2   Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
➢   Music files are displayed.

3   Press the ▲ or ▼ button to select a sorting standard. (**Title**, **Artist**, **Mood**, **Genre**, **Folder**, **Preference**)
➢   Music files are sorted according to the newly selected sorting standard.

4   Press **ENTER** button to start playing music in the the order selected.
➢   Music information is set automatically and you can change the Favorite information.
➢   Music files for which information cannot be displayed are set to "Unclassified".
➢   If there is no title information for a music file, the filename is displayed.
➢   If no information is available for the Genre, Artist, Album, or Year, the corresponding item is displayed as blank.
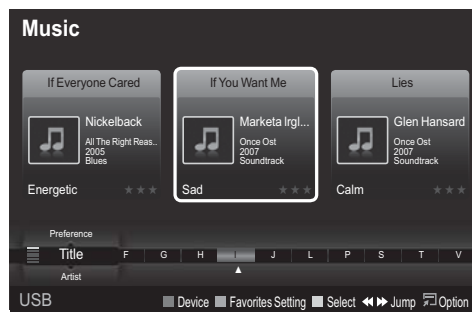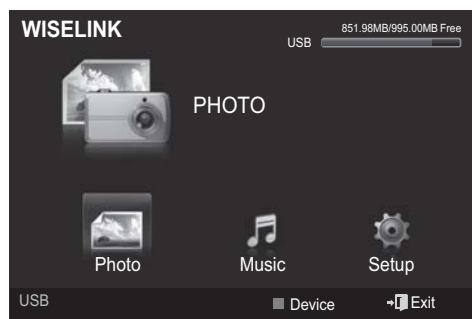
Title

Sorts music files by the title.

➢   It sorts the Music titles in alphabetical order, and shows the music file.

1   Select **Title** as the sorting standard in the Music List.

2   Press the ◄ or ► buttons to select from the sublist of files grouped in alphabetical order.
➢   To move a file on the previous / next group, press the ⟨◄◄⟩(REW) or ⟨►►⟩(FF) button to move to the previous / next group.

3   Press the **TOOLS** button.

4   Press the ▲ or ▼ buttons to select **Play Current Group**.

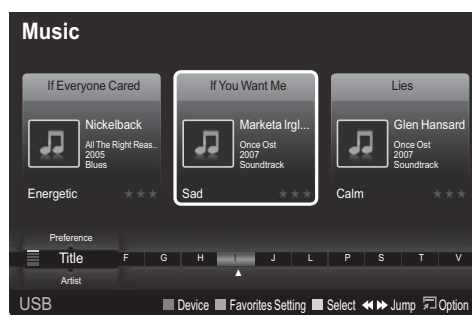**5**   Press **ENTER** button to play the selected group of music files from the sublist.
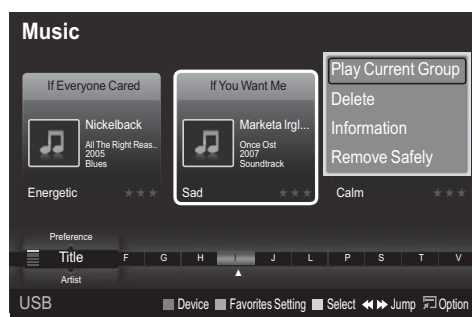
Continued...

Artist

Sorts music files by the artist.

➤ It sorts the music file by artist in alphabetical order.

1 Select **Artist** as the sorting standard in the Music List.

2 Press the ◄ or ► button to select from the sublist of files grouped by artist.

➤ To move a file on the previous / next group, press the ⊙(REW) or ⊙(FF) button to move to the previous / next group.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ buttons to select **Play Current Group**.

5 Press **ENTER** button to play the selected group of music files from the sublist.
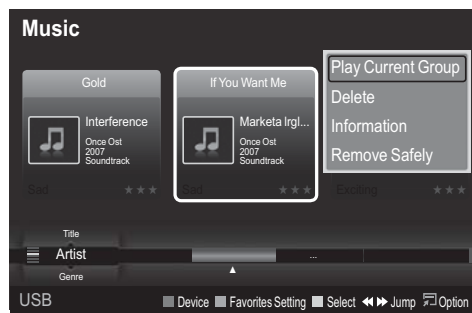
Mood

Sorts music files by the mood.

➤ You can change the music mood information.

1 Select **Mood** as the sorting standard in the Music List.

2 Press the ◄ or ► buttons to select from the sublist of files grouped in alphabetical order.

➤ To move a file on the previous / next group, press the ⊙(REW) or ⊙(FF) button to move to the previous / next group.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ buttons to select **Play Current Group**.

5 Press **ENTER** button to play the selected group of music files from the sublist.
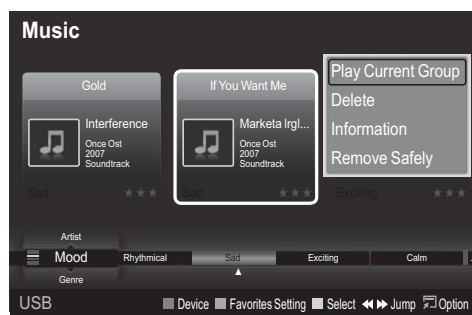
Changing the Mood information

1 Select **Mood** as the sorting standard in the Music List and press the ◄ or ► button to select a music file.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Change Group info**.

Press the **ENTER** button.

➤ Wiselink identifies the mood of the music files and groups them accordingly by analyzing the music files on the USB device.

➤ The "Mood" information extracted from a music file may differ from what you selected.

4 Press the ◄ or ► button to select the desired option, then press the **ENTER** button.

➤ The group information of the current file is updated and the file is moved to the new group.

➤ **Mood** option: Energetic, Rhythmical, Sad, Exciting, Calm, Unclassified

Continued...

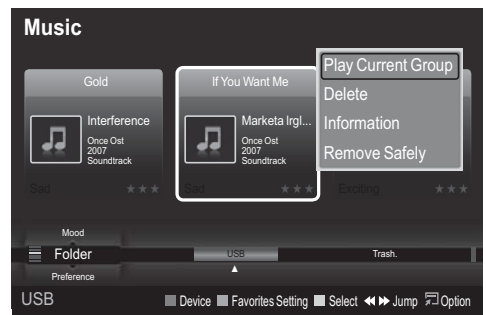## Genre

Sorts music files by the genre.

1 Select **Genre** as the sorting standard in the Music List.

2 Press the ◄ or ► button to select from the sublist of files grouped by genre.

➢ To move a file on the previous / next group, press the ⏪(REW) or ⏩(FF) button to move to the previous / next group.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ buttons to select **Play Current Group**

5 Press **ENTER** button to play the selected group of music files from the sublist.
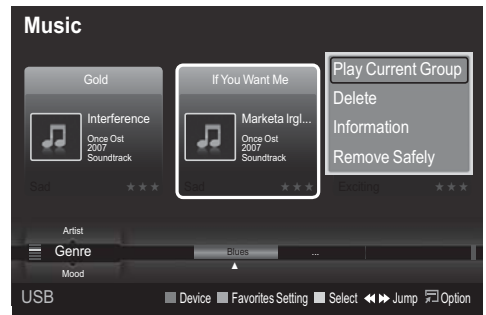
Folder

Sorts music files by the folder.

➢ If there are many folders in USB, the files are shown in order in each folder. The music file in the Root folder is shown first and the others are shown in alphabetical order by name.

1 Select **Folder** as the sorting standard in the Music List.

2 Press the ◄ or ► button to select from the sublist of files grouped by folder.

➢ To move a file on the previous / next group, press the ⏪(REW) or ⏩(FF) button to move to the previous / next group.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ buttons to select **Play Current Group**.

5 Press **ENTER** button to play the selected group of music files from the sublist.

Preference

Sorts music files by preference. (Favorite)

➢ You can change the music files preferences.

1 Select **Preference** as the sorting standard in the Music List.

2 Press the ◄ or ► button to select from the sublist of files grouped by folder.

➢ To move a file on the previous / next group, press the ⏪(REW) or ⏩(FF) button to move to the previous / next group.

3 Press the **TOOLS** button.

4 Press the ▲ or ▼ buttons to select **Play Current Group**.

5 Press **ENTER** button to play the selected group of music files from the sublist.
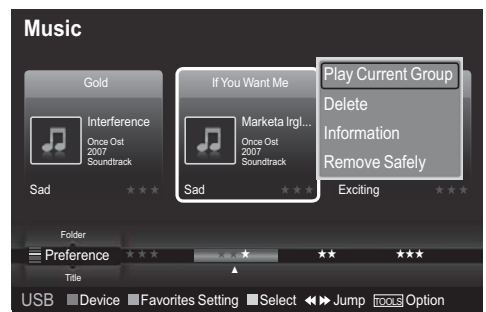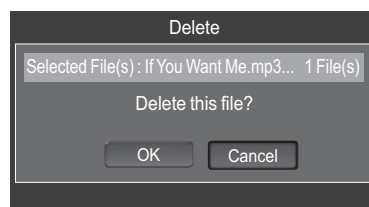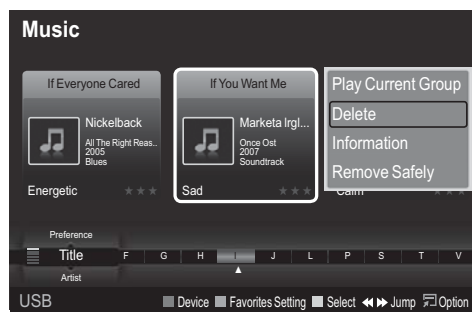
Continued...

Changing the Favorites setting

1　Press the ◄ or ► button to select the desired music in the Music List.

> **Changing the information of multiple files**
> Press the ◄ or ► button to select the desired music in the Music List.
> Then press the yellow button.
> Repeat the above operation to select multiple music.
> The ✔ mark appears to the left of the selected music.

2　Press the Green button repeatedly until the desired setting appears.

> Favorites settings change completed.

> **Favorite** option: ★★★, ★★★, ★★★, ★★★

> Users can select the number of stars (up to 3) according to their preference.

3　Press the **ENTER** button to start playing music.

Music

Gold	If You Want Me	Black Capricorn Day
Interference	Marketa Irgl...	Jamiroquai
Once Ost 2007 Soundtrack	Once Ost 2007 Soundtrack	Synkronized 1999 Acid Jazz

Energetic	Rhythmical	Sad	Exciting	Calm	Unclassified

Artist
Mood　Rhythmical　Sad　Exciting　Calm
Genre

USB　　■ Device ■ Favorites Setting ■ Select ◄◄ ►► Jump 🗗 Option

---

Deleting the Music files

1　Press the ◄ or ► button to select the desired music in the music list.

2　Press the **TOOLS** button.

3　Press the ▲ or ▼ button to select **Delete**, then press the **ENTER** button.

> The (for example) **Selected File(s)**: **Delete this file?** message appear.

4　Press the ◄ or ►button to select **OK**, then press the **ENTER** button.

> The music is deleted.

> **When a read-only file is deleted, the Read-only file(s). Delete the file(s)?** message appear.

> If you select **Cancel**, the deletion is cancelled.

5　To exit **WISELINK** mode, press the **W.LINK** button on the remote control.

> While removing files, don't remove the USB memory device.

> You cannot recover a deleted music files.

Music

If Everyone Cared	If You Want Me	Play Current Group
Nickelback	Marketa Irgl...	Delete
All The Right Reas.. 2005 Blues	Once Ost 2007 Soundtrack	Information
Energetic ★★★	Sad ★★★	Remove Safely

Preference
Title　F　G　H　J　L　P　S　T　V
Artist

USB　　■ Device ■ Favorites Setting ■ Select ◄◄ ►► Jump 🗗 Option

Delete

Selected File(s) : If You Want Me.mp3... 1 File(s)

Delete this file?

[OK]　[Cancel]

Continued...

Deleting Multiple Music files

1 Press the ◄ or ► button to select the desired music in the music list. Then press the yellow button.
  ➢ Repeat the above operation to select multiple music files.
  ➢ The (✔) mark appears to the left of the selected music files.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Delete selected File**, then press the **ENTER** button.
  ➢ The (for example) **Selected File(s)**: **Delete the selected file(s)?** message appear.

4 Press the ◄ or ► button to select **OK**, then press the **ENTER** button.
  ➢ The selected music files are deleted.
  ➢ If you select **Cancel**, the deletion is cancelled.

5 To exit **WISELINK** mode, press the **W.LINK** button on the remote control.
  ➢ You cannot remove the read-only files from the selected ones.
  ➢ You cannot restore the deleted music files.
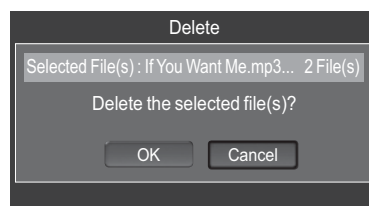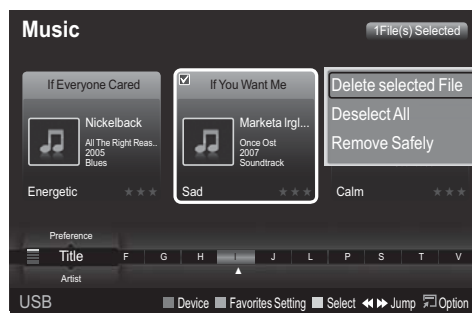
Viewing the Information

The music file information including the order of the file in the current directory, the name, the size, the date modified and the path is displayed.

1 Press the ◄ or ► button to select the desired photo in the Music list.

2 Press the **TOOLS** button.

3 Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.
  ➢ The information on the selected file appears.

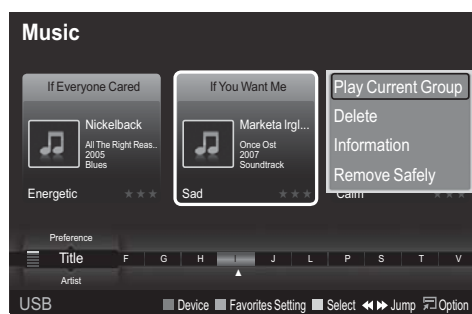☞ Press the **INFO** button to viewing the information.
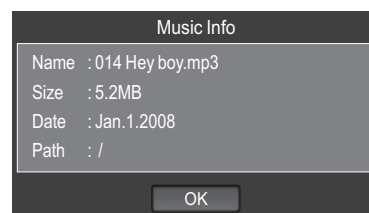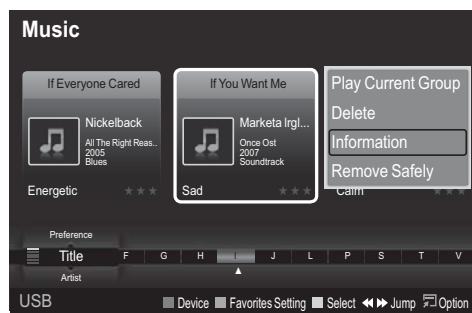
Playing a Music File

Playing a music file

1 Press the **W.LINK** button on the remote control to display the **WISELINK** menu.

2 Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
➢ Music files are displayed.

3 Pressing the ◄ or ► button to select a music file to be played, then press the **ENTER** button.
➢ This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed, even if they are saved on the same USB device.
➢ Press the ⬤(play) / **ENTER** button over a music icon to play the music.
➢ ⬤(REW) or ⬤(FF) buttons do not function during play.
➢ Press the ⬤(pause) / **ENTER** button while playing a MP3 file to pause the file. Press the ⬤(stop) button to exit Play mode.
➢ The selected file is displayed at the top with its playing time.
➢ To adjust the music volume, press the ⊕ or ⊖ button on the remote control. To mute the sound, press the **MUTE** button on the remote control.
➢ The playing duration of a mp3 file may be displayed as '00:00:00' if its playing time information is not found at the start of the file.

4 To exit WISELINK mode, press the **W.LINK** button on the remote control.
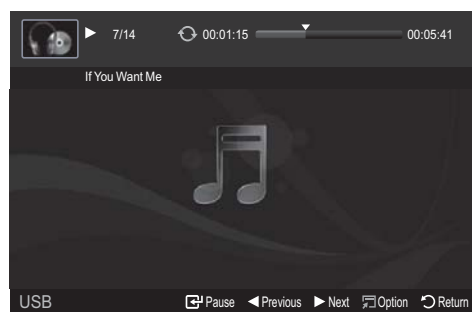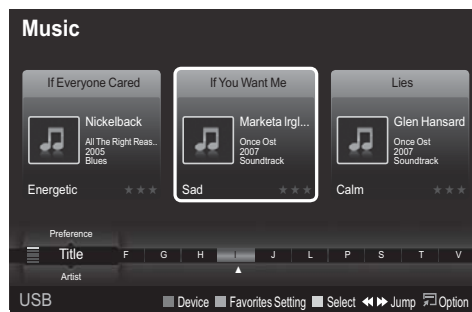
Playing the music group

1 Press the **W.LINK** button on the remote control to display the **WISELINK** menu.

2 Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
➢ To move a file on the previous / next group, press the ⬤(REW) or ⬤(FF) button to move to the previous / next group.

3 Press the ◄ or ► button to select the desired music file.

4 Press the **TOOLS** button.

Continued...

5   Press the ▲ or ▼ button to select **Play Current Group**, then press the **ENTER** button.
➢ The music files in the sorting group including the selected file are played.

6   To exit WISELINK mode, press the **W.LINK** button on the remote control.

Playing the selected music files

1   Press the **W.LINK** button on the remote control to display the WISELINK menu.

2   Press the ◄ or ► button to select **Music**, then press the **ENTER** button.

3   Press the ◄ or ► button to select the desired music file, then press the yellow button.
Repeat the above operation to select multiple music.
➢ The (✔) mark appears to the left of the selected music files.

4   Press the ⊙(Play) / **ENTER** button.
➢ Only the selected file is played.
➢ Press the ⊙ button while playing to stop the current item and to return to the music list.

5   To exit WISELINK mode, press the **W.LINK** button on the remote control.

Music function information icon (Displayed at the top left of the screen).

Icon	Current OSD	Function
↻	(Music) Repeat	When all music fi les in the folder(or the selected file) are repeated. **Repeat Mode** is **On**.
↻	(Music) One	When all music fi les in the folder(or the selected file) are played once. **Repeat Mode** is **Off**.
⊙ / ⊙	(Music) Play/Pause	When pressing the ⊙(play) / ⊙(pause) button on the remote control while music is playing.

Repeating Music Play

1   While a Music file is playing, press the **TOOLS** button.

2   Press the ▲ or ▼ button to select **Repeat Mode**.

3   Press the ◄ or ► button to select **On** or **Off**.

> • **On**: Plays back all music fi les in the folder(or the selected file) repeatedly.
> • **Off**: Doesn't play back repeatedly.

4   To exit WISELINK mode, press the **W.LINK** button on the remote control.

	Tools		
Repeat Mode	◄	On	►
Picture Mode	:	Standard	
Sound Mode	:	Custom	
Information			
Safe Remove			

‡ Move ◄► Adjust ←◘ Exit

Using the Setup Menu

Setup displays the user settings of the **WISELINK** menu.

1   Press the **W.LINK** button on the remote control to display the WISELINK menu.
2   Press the ◄ or ► button to select **Music**, then press the **ENTER** button.
3   Press the ▲ or ▼ button to select the desired option. (Slide Show Speed, Music Repeat Mode, Screen Saver Run Time, Information, Safe Remove)
4   Press the ◄ or ► button to select the option, then press the **ENTER** button.

WISELINK   USB   851.98MB/995.00MB Free

SETUP

Photo   Music   Setup

USB   ■ Device   ←◘ Exit

Slide Show Speed

Select to control the slide show speed.
Press the ▲ or ▼ button to select **Slide Show Speed**.
Press the ◄ or ► button to select **Fast**, **Normal** or **Slow**.

Setup

Slide Show Speed	◄	Normal	►
Music Repeat Mode	:	On	
Screen Saver Run Time	:	5 min	
Information			
Remove Safely			

USB   ⊞Pause ◄Previous ►Next ⊟Option ↻Return
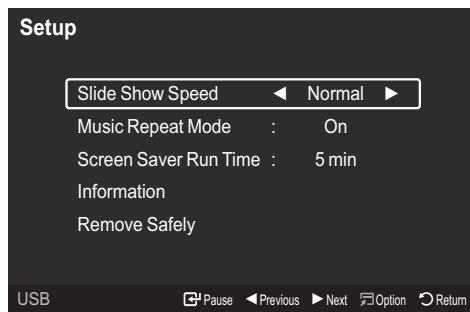
Music Repeat Mode

Select to repeatedly play music files.
Press the ▲ or ▼ button to select **Music Repeat Mode**.
Press the ◄ or ► button to select **On** or **Off**.

Setup

Slide Show Speed	:	Normal	
Music Repeat Mode	◄	On	►
Screen Saver Run Time	:	5 min	
Information			
Remove Safely			

USB   ■Device ‡Move ◄►Adjust ↻Return
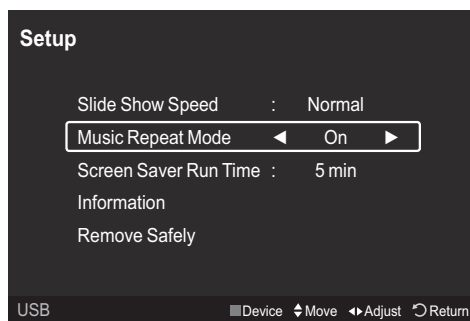
Continued...

Screen Saver Run Time

Select to set the waiting time before the screen saver appears.
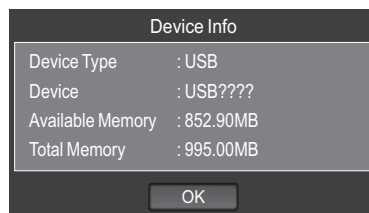Press the ▲ or ▼ button to select **Screen Saver Run Time**.
Press the ◄ or ► button to select **1 min**, **3 min** or **5 min**.

Setup

Slide Show Speed	:	Normal
Music Repeat Mode	:	On
Screen Saver Run Time	◄	5 min ►
Information		
Remove Safely		

USB   ■Device ◆Move ◄►Adjust ↺Return
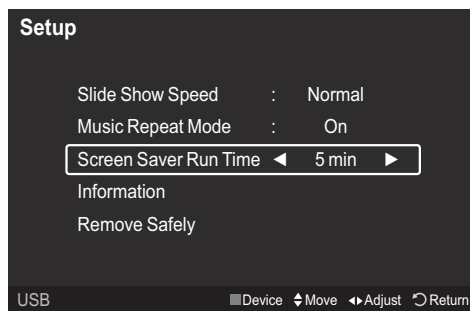
Information

Select to viewing the information of the connected device.
Press the ▲ or ▼ button to select **Information**, then press the **ENTER** button.

Device Info	
Device Type	: USB
Device	: USB????
Available Memory	: 852.90MB
Total Memory	: 995.00MB

OK

Remove Safely

You can remove the device safely from the TV. (Refer to page 60)

To exit WISELINK mode, press the **W.LINK** button on the remote control.

What is Anynet+?

Anynet+ is an AV network system that enables an easy-to-use AV interface for users by controlling all connected AV devices through the Anynet+ menu when Samsung Electronics AV devices are connected.

Connecting Anynet+ Devices

The Anynet+ system supports AV devices supporting Anynet+ only.
Check if there is an Anynet+ mark on the AV device to be connected to the TV.

To directly connect to TV
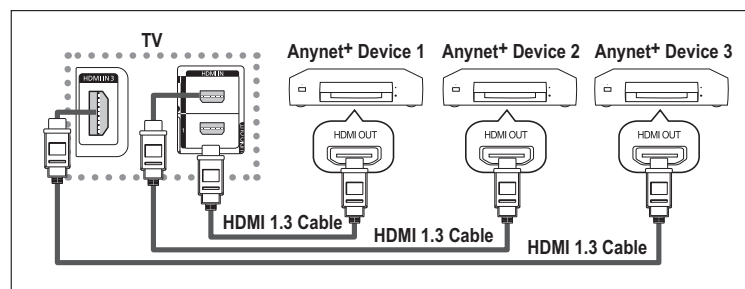
Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

To connect to Home Theatre
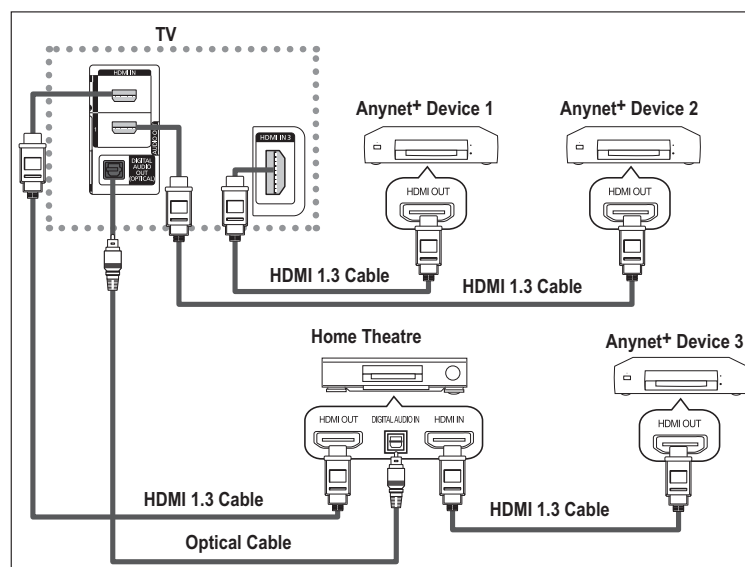
1 Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

2 Connect the HDMI IN jack of the home theatre and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

➢ Connect the Optical cable between the Digital Audio Out (Optical) jack on your TV and the Digital Audio Input on the Home Theater.

➢ When following the connection above, the Optical jack only outputs 2 channel audio. You will only hear sound from the Home Theater's Front Left and Right speakers and the subwoofer. If you want to hear 5.1 channel audio, connect the Digital Audio Out (Optical) jack on the DVD player or Cable/Satellite Box (ie Anynet Device 1 or 2) directly to the Amplifier or Home Theater, not the TV.

➢ Connect only one Home Theater.

➢ You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.

➢ Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.

➢ Anynet+ supports up to 10 AV devices in total. Note that you can connect up to 3 devices of the same type.

Setting Up Anynet+

The following settings are to use Anynet+ functions.

Using the Anynet+ Function

1   Press the **MENU** button. Press the ▲ or ▼ button to select **Application**, then press the **ENTER** button.
2   Press the ▲ or ▼ button to select **Anynet+ (HDMI-CEC)**, then press the **ENTER** button.
3   Press the ▲ or ▼ button to select **On**, then press the **ENTER** button.
➢ The **Anynet+ (HDMI-CEC)** function is enabled.
➢ If you select Off, **Anynet+ (HDMI-CEC)** is disabled.
➢ When the **Anynet+ (HDMI-CEC)** function is disabled, all the Anynet+ related operations are deactivated.

Turning an Anynet+ Device Off Automatically when the TV is Turned Off

2   Press the ▲ or ▼ button to select **Auto Turn Off**, then press the **ENTER** button.
3   Press the ▲ or ▼ button to select **Yes**, then press the **ENTER** button.
     ➢ The **Auto Turn Off** function is enabled.
     ➢ If you select No, the **Auto Turn Off** function is canceled. Press the **EXIT** button to exit.
➢ The active source on the TV remote must be set to TV to use the Anynet+ function.
➢ If you set **Auto Turn Off** to **Yes**, connected external devices are also turned off when the TV is turned off. If an external device is still recording, it may or may not turn off.

🔌	WISELINK
🖼	**Anynet+ (HDMI-CEC)** ▶

Application

Anynet+ (HDMI-CEC)

Anynet+ (HDMI-CEC) :   Off / On
Auto Turn Off :

‡ Move   ⊡ Enter   ↺ Return

Anynet+ (HDMI-CEC)

Anynet+ (HDMI-CEC) :
Auto Turn Off :   No / Yes

‡ Move   ⊡ Enter   ↺ Return
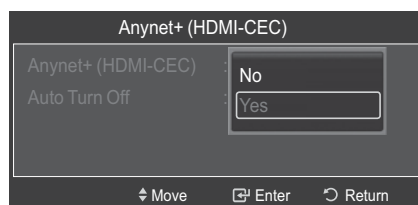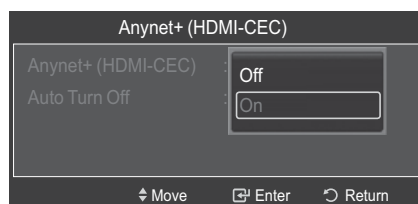
Scanning and Switching between Anynet+ Devices

1   Press the **TOOLS** button.
     ➢ Anynet+ devices connected to the TV are listed.
     ➢ If you cannot find a device you want, press the red button to scan for devices.
2   Press the ▲ or ▼ button to select a particular device and press the **ENTER** button. It is switched to the selected device.
     ➢ Only when you set **Anynet+ (HDMI-CEC)** to On in the **Application** menu, the **Device List** menu appears.
3   If you cannot find a device you want, press the ▲ or ▼ button to select **Searching Connections**, then press the **ENTER** button.
The meassage **Configuring Anynet+ connection...** is displayed. When searching devices completes, the connected devices are listed in the Anynet+ menu.
➢ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
➢ The time required to scan for devices is determined by the number of connected devices.
➢ When the device scan is complete, the number of found devices is not displayed.
➢ Although the TV automatically scans devices when it is turned on using the **POWER** button, devices connected when the TV is on or under a specific circumstance are not displayed in the device list. Therefore select **Searching Connections** menu to search devices.
➢ If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the **TOOLS** button.

TOOLS		
Anynet Device List		
Anynet Record		
Anynet TimerRecording		
Anynet Receiver	:	Off
Picture Mode	:	Standard
Sound Mode	:	Custom
Sleep Timer	:	Off
SRT TS TX	:	Off
▼		
‡ Move ⊡ Enter ➡Exit		
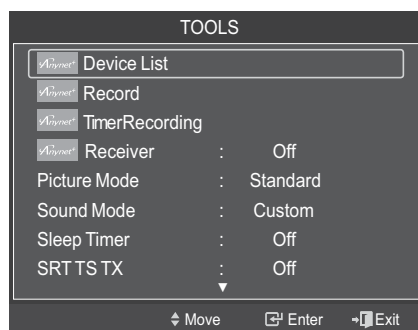
Anynet⁺ Menu

The Anynet⁺ menu changes depending on the type and status of the Anynet⁺ devices connected to the TV.

Anynet⁺ Menu	Description
View TV	Switches from Anynet⁺ to TV broadcast mode.
Select Device	Your TV connects to the corresponding device.
Record	Starts a recording. (This menu works only for a device supporting recording.)
Menu on Device	Shows the menu of the connected device. Example. When a DVD Recorder is connected, the DVD Recorder's title menu appears.
Device Operation	Shows the play control menu of the connected device. Example. When a DVD Recorder is connected, the play control menu of the DVD Recorder appears.
Receiver	Sound is output through the receiver.
Setup	You can set the environment for using Anynet⁺.

TV Remote Control Buttons Available in Anynet⁺ Mode

Device Type	Operating Status	Available Buttons
Anynet⁺ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/**ENTER** buttons Colour buttons **EXIT** button
	After switching to the device, while playing a file	⏪ (Backward search) ⏩ (Forward search) ⏹ (Stop) ▶ / ⏸ (Play/Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV programme	**P** ⌃ / ⌄ button
Audio Device	When a Receiver is activated	◢ ⊕ / ⊖ button **MUTE** button

➤ The Anynet+ function only works when the remote control is set to TV.

➤ The **REC** button works only while in the recordable state.

➤ You cannot control Anynet+ devices using the buttons on the side of the TV. You can control Anynet+ devices only using the TV remote control.

➤ The TV remote control may not work under certain conditions. In this case, reselect the Anynet+ device.

➤ The Anynet+ functions don't operate for the products from other manufacturers.

➤ In Anynet+ mode, the colour buttons may not work properly.

➤ The ⏪, ⏩ operations may differ depending on the device.

Recording

You can make a recording of a TV programme using a recorder.

Press the **REC** button.
Recording begins. (Only when the Anynet⁺ enabled recording device is connected.)

➤ The current TV programme is recorded in the Watching TV status. If you are watching video from another device, the video from the device is recorded.

➤ You can also record the source streams by selecting **Record** after pressing the **TOOLS** button.

➤ Before recording, check whether the antenna jack is properly connected to the recording device. For the antenna connection to the recording device, refer to its user manual.

Listening through a Receiver

You can listen to sound through a receiver instead of the TV speaker.

1 Press the **TOOLS** button.
Press the ▲ or ▼ button to select **Receiver**, then press the **ENTER** button.

2 Press the ◄ or ► button to select to **On**, then press the **ENTER** button.
Now you can listen to sound through the receiver.

3 Press the **EXIT** button to exit.

➢ When the receiver (home theater) is set to On, you can hear sound output from the TV's Optical jack. When the TV is displaying a DTV(air) signal, the TV will send out 5.1 channel sound to the Home theater receiver. When the source is a digital component such as a DVD and is connected to the TV via HDMI, only 2 channel sound will be heard from the Home Theater receiver.

➢ If your receiver supports audio only, it may not appear in the device list.

➢ The receiver will work when you have properly connected the Optical IN jack of the receiver to the Optical Out jack of the TV.

➢ When using the WISELINK feature, sound may not output properly through the receiver.

➢ When listening through the receiver, there are restrictions for using the PIP and audio-related(MTS, Preferred language) menus.

➢ If there is a power interruption to the TV when the **Receiver** is **On** (by disconnecting the power cord or a power failure), the **TV Speaker** may be set to **Off** when you turn the TV on again.

TOOLS		
Anynet Device List		
Anynet Record		
Anynet TimerRecording		
Anynet Receiver	◄ Off	►
Picture Mode	:	Standard
Sound Mode	:	Custom
Sleep Timer	:	Off
SRT TS TX	:	Off
▼		
‡ Move	⏎ Enter	↵ Exit
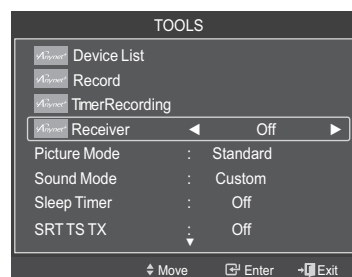
Check Points before Requesting Service

| Symptom	Solution
Anynet+ does not work.	■ Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ■ Connect only one receiver. ■ Check if the Anynet+ device power cord is properly connected. ■ Check the Anynet+ device's Video/Audio/HDMI cable connections. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Check whether the TV remote control is in TV mode. ■ Check whether it is Anynet+ exclusive remote control. ■ Anynet+ doesn't work at a certain condition. (Searching channels) ■ When connecting or removing the HDMI cable, please make sure to search devices again or restart your TV. ■ Check if the Anynet+ Function of Anynet+ device is set on.
I want to start Anynet+.	■ Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet+ Setup menu. ■ Press the **TV** button on the TV remote control to switch to TV. Then press the **TOOLS** button to show the **Anynet+** menu and select a menu you want.
I want to exit Anynet+.	■ Select **View TV** in Anynet+ menu. ■ Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ■ Press any of **P**, **CH LIST**, and **PRE-CH** to change to the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The message Connecting to Anynet+ device… appears on the screen.	■ You cannot use the remote control when you are configuring Anynet+ or switching to a view mode. ■ Use the remote control when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	■ You cannot use the play function when Plug & Play is in progress.
The connected device is not displayed.	■ Check whether or not the device supports Anynet+ functions. ■ Check whether or not the HDMI cable is properly connected. ■ Check whether Anynet+ (HDMI-CEC) is set to On in the Anynet+ setup menu. ■ Search Anynet+ devices again. ■ You can connect an Anynet+ device using the HDMI cable only. Some HDMI cables may not support Anynet+ functions.
The TV programme cannot be recorded.	■ Check whether the antenna jack on the recording device is properly connected.
The TV sound is not output through the receiver.	■ Connect the optical cable between TV and the receiver.

Teletext Feature (depending on the model)

Most television stations provide written information services via teletext. The index page of the teletext service gives you information on how to use the service. In addition, you can select various options to suit your requirements by using the remote control buttons.

☛ For teletext information to be displayed correctly, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

❶ ▭ **(exit)**
Exit from the teletext display (depending on the model)

❷ ▤ **(store)**
Used to store the teletext pages.

❸ ▤ **(size)**
Press to display the double-size letters in the upper half of the screen. For lower half of the screen, press it again.
To display normal screen, press it once again.

❹ ▤ **(reveal)**
Used to display the hidden text (answers to quiz games, for example). To display normal screen, press it again.

❺ **Coloured buttons (red/green/yellow/blue)**
If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to the required. The page is displayed with other coloured information that can be selected in the same way. To display the previous or next page, press the corresponding coloured button.

❻ ▤/▨ **(teletext on/mix)**
Press to activate teletext mode after selecting the channel providing the teletext service. Press it twice to overlap the teletext with the current broadcasting screen.

❼ ▤ **(mode)**
Press to select the teletext mode (LIST/FLOF).
If you press it in the LIST mode, it switches into the List save mode.
In the List save mode, you can save teletext page into list using the ▤ (store) button.

❽ ▤ **(sub-page)**
Used to display the available sub-page.

❾ ▤ **(page up)**
Used to display the next teletext page.

❿ ▤ **(page down)**
Used to display the previous teletext page.

⓫ ▤ **(index)**
Used to display the index (contents) page at any time while you are viewing teletext.

⓬ ▤ **(hold)**
Used to hold the display on a given page if the selected page is linked with several secondary pages
which follow on automatically. To resume, press it again.

⓭ ▤ **(cancel)**
Used to display the broadcast when searching for a page.

➢ You can change teletext pages by pressing the numeric buttons on the remote control.
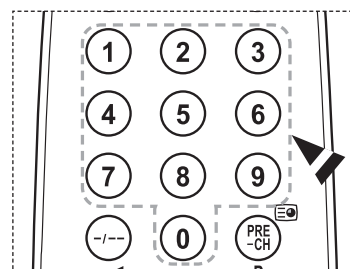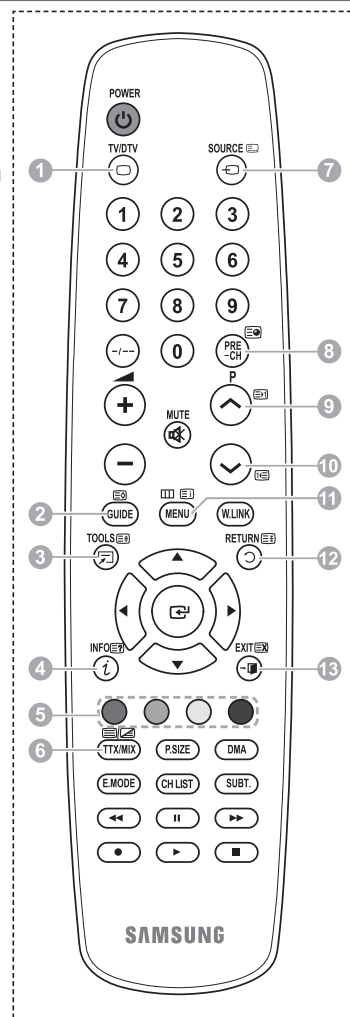
The teletext pages are organized according to six categories:

Part	Contents
A	Selected page number.
B	Broadcasting channel identity.
C	Current page number or search indications.
D	Date and time.
E	Text.
F	Status information.
	FASTEXT information.

➢ Teletext information is often divided between several pages displayed in sequence, which can be accessed by:
   ◆ Entering the page number
   ◆ Selecting a title in a list
   ◆ Selecting a coloured heading (FASTEXT system)

➢ Press the **TV/DTV** button to exit from the teletext display.
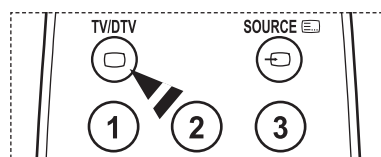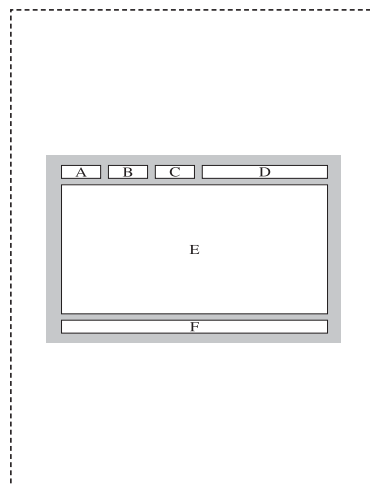
Wall Mount Kit Specifications (VESA)

Install your wall mount on a solid wall perpendicular to the floor.
When attaching to other building materials, please contact your nearest dealer.
If installed on a ceiling or slanted wall, it may fall and result in severe personal injury.
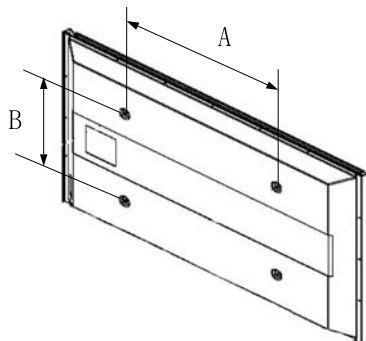
Product Family	inch	VESA Spec. (A * B)	Standard Screw	Quantity
LCD-TV	23 ~ 26	200 * 100	M4	4
	32 ~ 40	200 * 200	M6	
	46 ~ 52	400 * 400 600 * 400	M8	
	57	700 * 400 (No VESA)		
	57 ~ 70	800 * 400		
	80 ~	1400 * 800		
PDP-TV	42 ~ 58	400 * 400 600 * 400	M8	4
	63	676 * 407 (No VESA)		6
	63 ~ 70	800 * 400		4
	80 ~	1400 * 800		4

➢ We provided the standard dimensions for wall mount kits as shown in the table above.
➢ When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
➢ Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
➢ For wall mounts that do not comply with the VESA standard screw specifications, the length of the screws may differ depending on their specifications.
➢ Do not use screws that do not comply with the VESA standard screw specifications.
Do not use fasten the screws too strongly, this may damage the product or cause the product to fall, leading to personal injury. Samsung is not liable for these kinds of accidents.
➢ Samsung is not liable for product damage or personal injury when a non-VESA or non-specified wall mount is used or the consumer fails to follow the product installation instructions.
➢ Our 57" and 63" models do not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
➢ Do not exceed 15 degrees tilt when mounting this TV.

> ⚠ Do not install your Wall Mount Kit while your TV is turned on.
> It may result in personal injury due to electric shock.

Auto Wall-Mount Adjustment (Sold separately)

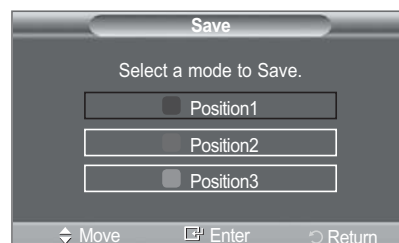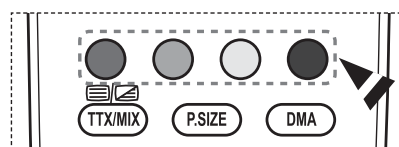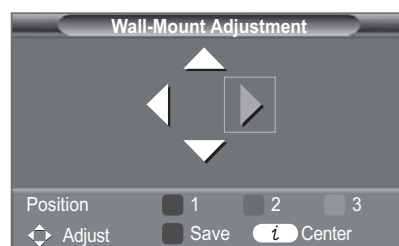**Once the auto wall mount is installed, the position of your TV can be easily adjusted.**

Rear Panel

Auto Wall-Mount

Serial Cable(1P to 1P)
(Not supplied)
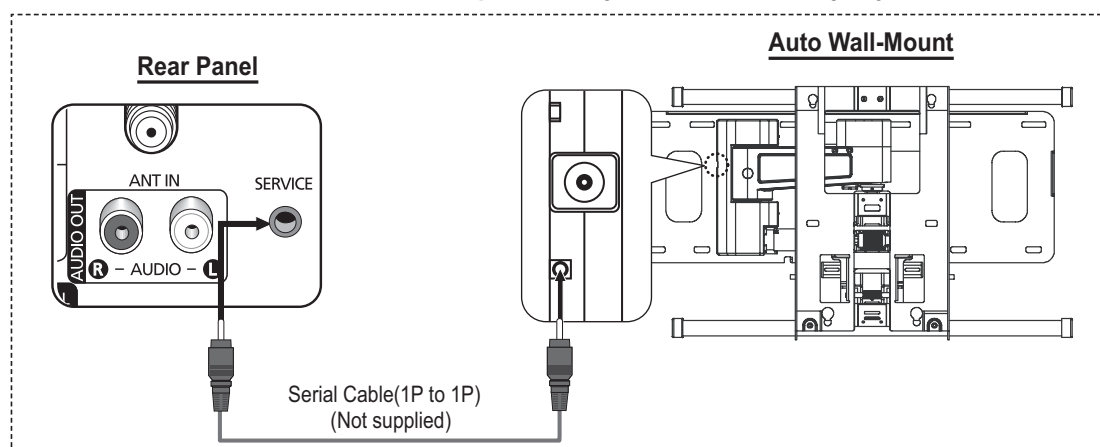
Entering the menu

1 Press the ▲, ▼, ◄ or ► button on your remote control.

➢ The Auto Wall Mount Adjustment screen is displayed.

➢ If the Auto Wall Mount Adjustment screen is not displayed when clicking on a direction button while watching your TV, use the menu to display that screen.

• Press the **MENU** button to display the menu. Press the ▲ or ▼ button to select **Setup**, then press the **ENTER** button.

• Press the ▲ or ▼ button to select **Wall-Mount Adjustment**, then press the **ENTER** button.

	Teletext Language : ----
	Preference
Setup	**Wall-Mount Adjustment** ►
	Melody
	Entertainment
	Energy Saving
	PIP
	SW Upgrade

Remembering the Position

**2** Adjust to the desired position using the ▲, ▼, ◄, ► buttons.

➢ If you press an arrow button when no OSD is displayed on the TV screen, the Adjustment screen appears.

➢ Press the **INFO** button to reset. Press the ◄ or ► button to select **Yes**, then press the **ENTER** button. The position is initialized to the default setting.

3 Press the blue button.
Press the ▲ and ▼ buttons to select a save mode from either **Position1**, **Position2** or **Position3** in order to save the current position.

➢ To not save the current position, press the **RETURN** button.

➢ When selecting a save mode, you cannot use the Color buttons.

4 Press the **ENTER** button to save.

➢ When **Position1** is selected, the message **Current position saved as Position1** is displayed.

5 Press the **ENTER** button.

➢ The saved Position appears on the left side of the OSD.

Wall-Mount Adjustment

Position	1	2	3
Adjust	Save	*i* Center	

TTX/MIX   P.SIZE   DMA

Save

Select a mode to Save.

Position1
Position2
Position3
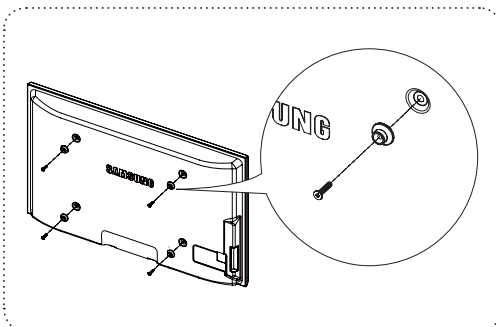
Move   Enter   Return

Moving to the remembered position

1 Complete Step 1 of **Entering the menu**.
2 Pressing a Color (Red, Green, Yellow) button moves the auto wall mount to the saved position.

➢ You can move the wall mount to one of the 3 pre-set positions by pressing the Red (Position 1), Green (Position 2) or Yellow (Position 3) buttons.

➢ If you adjust the positon after moving to a pre-set position, the position display will disappear.

➢ For installation, refer to the Installation Manual provided with the wall mount.

➢ For product installation and the installation and moving of the wall mount, make sure to consult a specialized installation company.

➢ This installation manual is to be used when attaching the wall mount to a wall. When attaching to other building materials, please contact your nearest dealer.

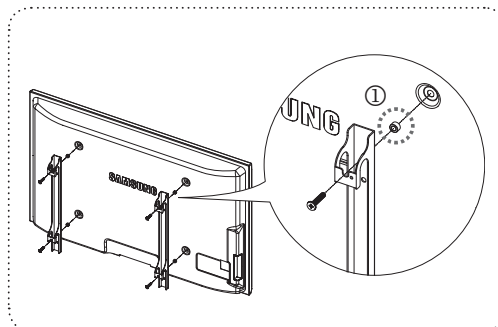➢ The auto wall mount will not work when Anynet+ or WISELINK is operating.
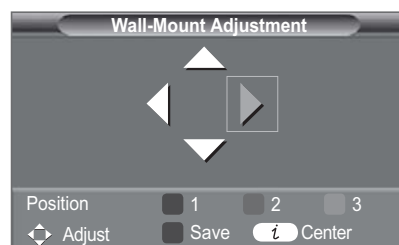
Preparing before installing Wall- Mount on the wall
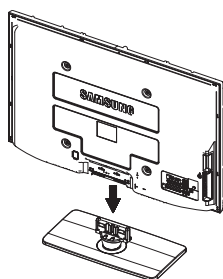
Case A. Installing SAMSUNG Wall-Mount   **Case B.** Installing other company's Wall-Mount

1 Install Wall Mount with the torque range of 15kgf·cm or less. Make sure that parts can be damaged if the torque is out of the specified range.
2 Accessory Kit contains Holder–Ring [①] for installing other company's Wall-Mount on Samsung TV. (Case B)

How to assemble the Stand-Base (depending on the model)

Using the 6 screws for securing the stand base and the monitor, firmly attach the monitor to the stand base. (The exterior of the set may be different than the picture.)
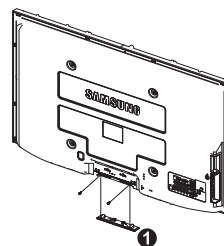
In case of installing your TV on the wall, close the cover (❶) on the stand-base connection part using two screws for hiding.

Warning
Firmly secure the stand to the TV before moving it, as the stand may fall and could cause serious injury.

➢ Two or more people should carry the TV. Never lay the TV on the floor because of possible damage to the screen.
Always store the TV upright.

Securing the TV to the Wall

⚠ Pulling, pushing, or climbing on the TV may cause the TV to fall. In particular, ensure your children do not hang over or destabilize the TV; doing so may cause the TV to tip over, causing serious injuries or death. Follow all safety precautions provided on the included Safety Flyer. For added stability, install the anti-fall device for safety purposes, as follows.

To avoid the TV from falling:

1 Put the screws into the clamps and firmly fasten them onto the wall. Confirm that the screws have been firmly installed onto the wall.

➢ You may need additional material such as an anchor depending on the type of wall.

➢ Since the necessary clamps, screws, and string are not supplied, please purchase these additionally.

Wall
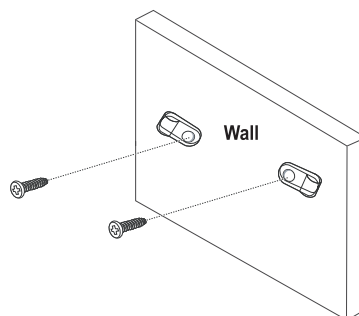
2 Remove the screws from the center back of the TV, put the screws into the clamps, and then fasten the screws onto the TV again.

➢ Screws may not be supplied with the product. In this case, please purchase the screws of the following specifications.
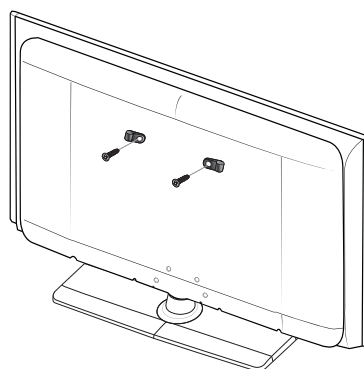
3 Connect the clamps fixed onto the TV and the clamps fixed onto the wall with a strong string and then tie the string tightly.

➢ Install the TV near to the wall so that it does not fall backwards.

➢ It is safe to connect the string so that the clamps fixed on the wall are equal to or lower than the clamps fixed on the TV.

➢ Untie the string before moving the TV.

Wall
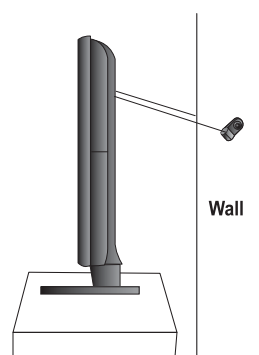
4 Verify all connections are properly secured. Periodically check connections for any sign of fatigue for failure. If you have any doubt about the security of your connections,contact a professional installer.

Troubleshooting

Before contacting the Samsung after-sales service, perform the following simple checks.
If you cannot solve the problem using the instructions below, note the model and serial number of the television and contact your local dealer.

No sound or picture

◆ Check that the mains lead has been connected to a wall socket.
◆ Check that you have pressed the ⏻ (Power) button (On/Off) on the front panel or press the **POWER** button on the remote control.
◆ Check the picture contrast and brightness settings.
◆ Check the volume.
◆ Check if TV Speaker is set to Off.

Normal picture but no sound

◆ Check the volume.
◆ Check whether the volume **MUTE** button on the remote control has been pressed.

No picture or black and white picture

◆ Adjust the colour settings.
◆ Check that the broadcast system selected is correct.

Sound and picture interference

◆ Try to identify the electrical appliance that is affecting the television, then move it further away.
◆ Plug the television into a different main socket.

Blurred or snowy picture, distorted sound

◆ Check the direction, location and connections of your aerial.
This interference often occurs due to the use of an indoor aerial.

Remote control malfunctions

◆ Replace the remote control batteries.
◆ Clean the upper edge of the remote control (transmission window).
◆ Check that the "+" and "−" ends of the batteries are inserted correctly.
◆ Check that the batteries are drained.

Screen is black and power indicator light blinks steadily

◆ On your computer check; Power, Signal Cable.
◆ The TV is using its power management system.
◆ Move the computer's mouse or press any key on the keyboard.
◆ On your equipment check (STB, DVD, etc) ; Power, Signal Cable.
◆ The TV is using its power management system.
◆ Press the Source button on the panel or remote control.
◆ Turn the TV off and on.

The damaged picture appears in the corner of the screen.

◆ If **Just Scan** is selected in some external devices, the damaged picture may appear in the corner of the screen. This symptom is caused by external devices, not TV.

The "Resets all settings to the default values" message appears.

◆ This appears when you press and hold the **EXIT** button for a while. The product settings are reset to the factory defaults.

Specifications

The descriptions and characteristics in this booklet are given for information purposes only and are subject to modification without notice.

Model Name	PS50A550
Screen Size (Diagonal)	50 inch
PC Resolution	1920 x 1080 @ 60 Hz
Sound (Output)	10W x 2
Dimension (WxHxD) Body With stand	1290 x 740 x 95 mm 1290 x 804 x 319 mm
Weight Body With stand	39 Kg 41 Kg
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	10 °C to 40 °C (50 °F to 104 °F) 10% to 80%, non-condensing -20 °C to 45 °C (-4 °F to 113 °F) 5% to 95%, non-condensing

➢ ◆ This device is a Class B digital apparatus.
◆ Design and specifications are subject to change without prior notice.
◆ For the power supply and Power Consumption, refer to the label attached to the product.
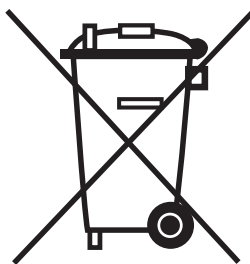
Correct Disposal of This Product
(**W**aste **E**lectrical & **E**lectronic **E**quipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.